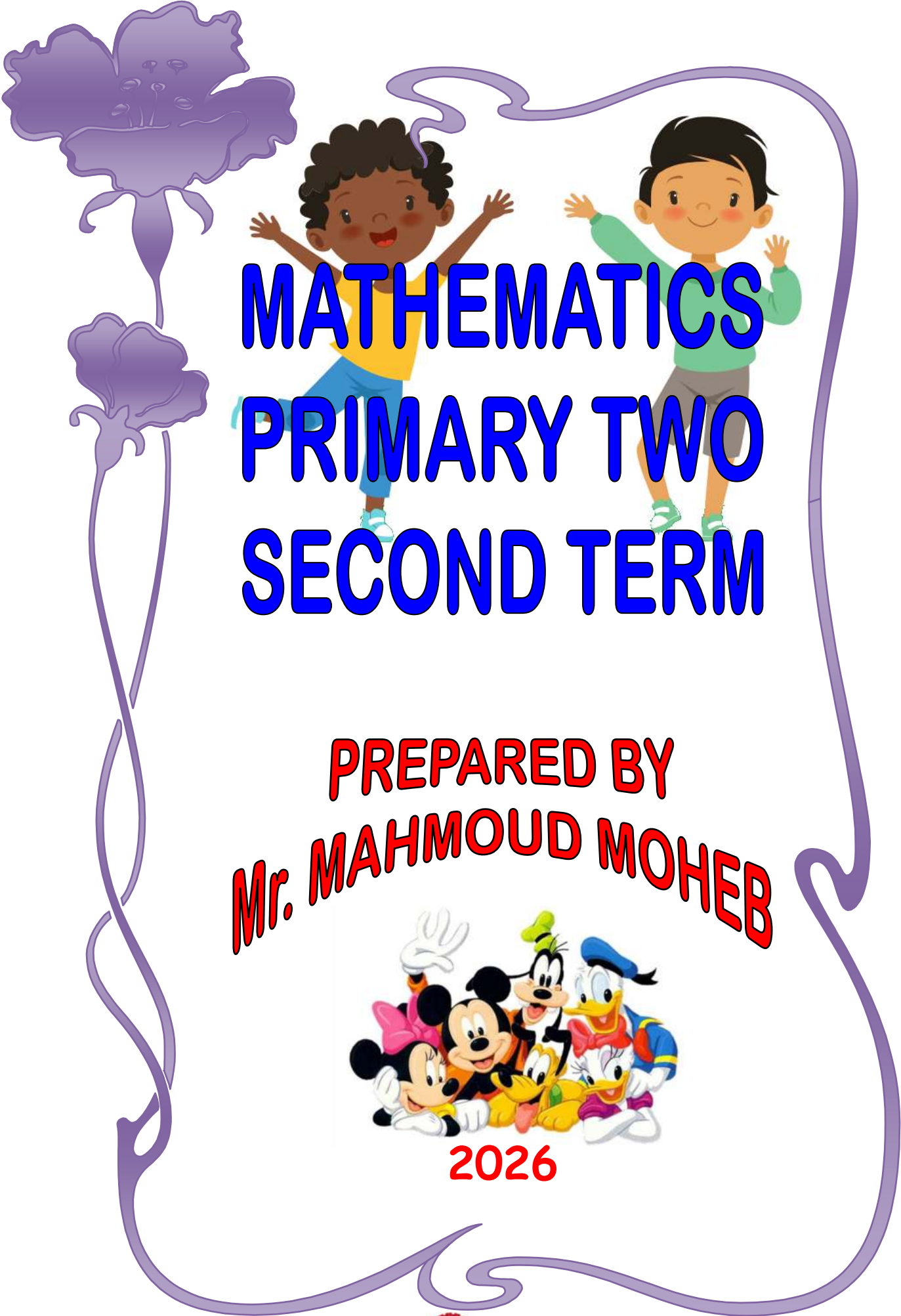




MATHEMATICS PRIMARY TWO SECOND TERM

PREPARED BY
Mr. MAHMOUD MOHEB



2026





Sheet (1) Money

Write the value of each banknote:

Banknote	Value
	 pound
	 pounds
	 pounds
	 pounds
	 pounds
	 pounds
	 pounds





Join:



10 pounds



20 pounds



1 pound



100 pounds



50 pounds



5 pounds



200 pounds





What can you buy with the given money?





Write the money:



..... pounds



..... pounds



..... pounds



..... pounds



..... pounds



..... pounds



..... pounds



..... pounds





Color as the example:

76 pounds	20	20	20	10	5	1	1	1	1
70 pounds	20	20	10	10	10	5	1	1	1
66 pounds	20	20	10	10	10	5	1	1	1
32 pounds	20	20	10	10	10	5	1	1	1
46 pounds	20	20	10	10	10	5	1	1	1
57 pounds	20	20	10	10	10	5	1	1	1
26 pounds	20	20	10	10	10	5	1	1	1
35 pounds	20	20	10	10	10	5	1	1	1
75 pounds	20	20	10	10	10	5	1	1	1
41 pounds	20	20	10	10	10	5	1	1	1





Complete using (<), (>) or (=):



















Color your banknotes to create each amount shown as the example:

Set of books: 28 LE 	20 20 10 10 10 5 5 5 1 1 1 1
Football: 26 LE 	20 20 10 10 10 5 5 5 1 1 1 1
Toy truck: 149 LE 	100 50 20 20 10 5 5 1 1 1 1 1
Video game: 427 LE 	200 100 100 20 10 10 5 5 1 1 1 1
Plush toy: 39 LE 	20 20 10 10 10 5 5 1 1 1 1 1
Board game: 126 LE 	100 50 20 20 10 5 5 5 1 1 1 1





Homework

Add the money, and then match:

100 LE	50 LE	1 LE	1 LE	1 LE
--------	-------	------	------	------

_____ LE ●



● Doll: 29 LE

10 LE	5 LE	1 LE	1 LE	1 LE
-------	------	------	------	------

_____ LE ●



● Scooter: 153 LE

10 LE	10 LE	5 LE	1 LE	1 LE
1 LE	1 LE			

_____ LE ●



● Roller skates: 61 LE

100 LE	50 LE	10 LE	10 LE	10 LE
1 LE	1 LE	1 LE	1 LE	

_____ LE ●



● Toy truck: 34 LE

10 LE	10 LE	10 LE	1 LE	1 LE
1 LE	1 LE			

_____ LE ●



● Basket of fruit: 18 LE

50 LE	10 LE	1 LE
-------	-------	------

_____ LE ●

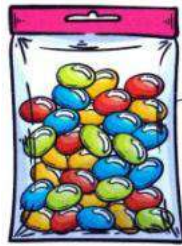


● Wagon: 184 LE





Join each item to its price:



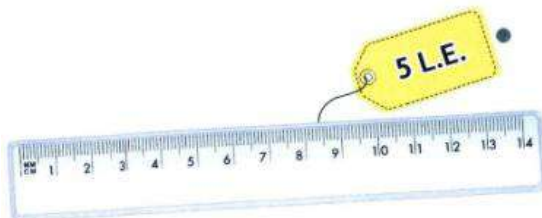
10 L.E.



1 L.E.



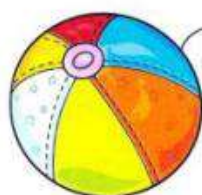
100 L.E.



5 L.E.



50 L.E.



20 L.E.





Sheet (2) Adding and Subtracting Two Numbers

Solve the story problems:

Ahmed has 53 L.E. His father gave him 35 L.E. as a present.

How much money does Ahmed have now ?



Mostafa has 355 L.E. He bought a shirt for 215 L.E.

What is the remainder with him ?



Amir has 12 L.E. He found 25 L.E. in his pocket.

How much money does Amir have now ?



Gena had 98 L.E. She spent 52 L.E. at the toy store.

How much money does Gena have left ?





Sami purchased a teddy bear for 43 L.E. and a ball for 32 L.E. How much money did Sami pay ?



Salma was given 29 L.E. for doing chores. She bought a basket of fruit for 14 L.E. How many pounds does Salma have left ?



Aya saved 33 L.E. in one month. The next month she saved 24 L.E. How much money does Aya have in all ?



Tamer has 22 L.E. His friend Bassem has 42 L.E. How much money do they have all together ?





1 In each of the following, write the amount of money.

a. Place value / money mat

Hundreds 100 L.E.	Tens 10 L.E.	Ones 1 L.E.
		
		
		
		

b. Place value / money mat

Hundreds 100 L.E.	Tens 10 L.E.	Ones 1 L.E.
		
		
		
		

c. Place value / money mat

Hundreds 100 L.E.	Tens 10 L.E.	Ones 1 L.E.
		
		
		
		

d. Place value / money mat

Hundreds 100 L.E.	Tens 10 L.E.	Ones 1 L.E.
		
		
		
		





2 In each of the following, build the amount of money using place value / money mat.

a. Place value / money mat

Hundreds 100 L.E.	Tens 10 L.E.	Ones 1 L.E.

321 L.E.

b. Place value / money mat

Hundreds 100 L.E.	Tens 10 L.E.	Ones 1 L.E.

150 L.E.

c. Place value / money mat

Hundreds 100 L.E.	Tens 10 L.E.	Ones 1 L.E.

413 L.E.

d. Place value / money mat

Hundreds 100 L.E.	Tens 10 L.E.	Ones 1 L.E.

206 L.E.





Homework

 Mostafa was given 99 L.E. for his birthday. He bought a new pair of shoes for 86 L.E. How many pounds does Mostafa have left ?



 Ali and his brother put their money together to buy a video game. Ali had 42 L.E. and his brother had 57 L.E. How much money do they have all together ?



Lara has 257 L.E. Her mother gave her 325 L.E. as a gift. How much money does Lara have now ?



Sally and Sylvia are two sisters. Their mother gave each one of them 125 L.E. How much money did they have together ?





Nabil bought some books for 82 L.E.
If he had 525 L.E.
How much money remained with him ?



Eman saved 255 L.E. in a month.
The next month she saved 275 L.E.
How much money did Eman save in all ?



Hany has 850 L.E.
He gave his brother Sameh 125 L.E.
How much money remained with Hany ?



Mariam has 820 L.E. She wants to buy a dress
and a pair of shoes of total cost 790 L.E.
How much money will remain with Mariam ?





3 Use your 1, 10 and 100 L.E. notes - at the end of this book - and the place value / money mat to solve the following addition problems.

a. 26 L.E. + 48 L.E. = _____ L.E.	b. 55 L.E. + 17 L.E. = _____ L.E.
c. 127 L.E. + 136 L.E. = _____ L.E.	d. 254 L.E. + 163 L.E. = _____ L.E.
e. 188 L.E. + 471 L.E. = _____ L.E.	f. 309 L.E. + 256 L.E. = _____ L.E.
g. 77 L.E. + 214 L.E. = _____ L.E.	h. 170 L.E. + 375 L.E. = _____ L.E.
i. 476 L.E. + 245 L.E. = _____ L.E.	j. 315 L.E. + 585 L.E. = _____ L.E.

Place Value / Money Mat		
Hundreds 100 L.E.	Tens 10 L.E.	Ones 1 L.E.





1 Use your 1, 10 and 100 L.E. notes - at the end of this book - and the place value/money mat to solve the following subtraction problems.

a. 45 L.E. - 17 L.E. = _____ L.E.	b. 62 L.E. - 19 L.E. = _____ L.E.
c. 451 L.E. - 234 L.E. = _____ L.E.	d. 746 L.E. - 381 L.E. = _____ L.E.
e. 325 L.E. - 119 L.E. = _____ L.E.	f. 468 L.E. - 293 L.E. = _____ L.E.
g. 505 L.E. - 273 L.E. = _____ L.E.	h. 620 L.E. - 315 L.E. = _____ L.E.
i. 753 L.E. - 494 L.E. = _____ L.E.	j. 525 L.E. - 327 L.E. = _____ L.E.

Place Value / Money Mat		
Hundreds 100 L.E.	Tens 10 L.E.	Ones 1 L.E.





Sheet (3): Even and Odd Numbers

Color even numbers red and odd numbers yellow:

41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

Double each number then determine if the sum is Even or Odd:

Number	Double	Even or Odd?
1	$1 + 1 = 2$	Even
2		
3		
4		
5		
6		
7		
8		
9		
10		





Number	Double	Even or Odd?
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		



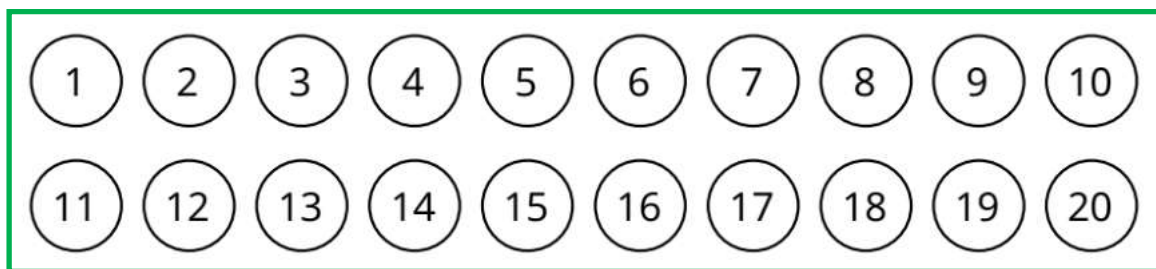
**Complete as the example:**

Addition operation	Sum	Even or Odd?
$4 + 5$	9	Odd
$3 + 1$		
$7 + 5$		
$9 + 2$		
$7 + 8$		
$5 + 3$		
$6 + 4$		
$1 + 1$		
$7 + 2$		
$8 + 3$		
$9 + 1$		
$8 + 1$		
$2 + 5$		
$7 + 2$		
$5 + 9$		
$3 + 7$		
$4 + 7$		
$4 + 8$		
$6 + 6$		





Color **even** numbers **red** and **odd** numbers **yellow**:



Find the sum using the picture then color even or odd:

$2 + 1$

Even Odd

$3 + 3$

Even Odd

$2 + 2$

Even Odd

$4 + 1$

Even Odd

Which number is even?

Which number is odd?





Which number is odd?



Which number is even?



Which number is even?



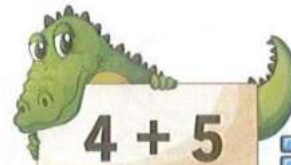
Which number is odd?





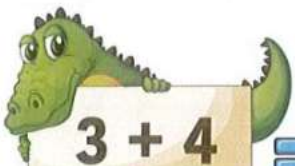
$$4 + 4 = \square$$

even or odd



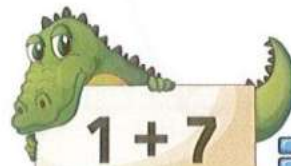
$$4 + 5 = \square$$

even or odd



$$3 + 4 = \square$$

even or odd



$$1 + 7 = \square$$

even or odd



$$7 + 0 = \square$$

even or odd



$$8 + 2 = \square$$

even or odd





Homework

Color  the odd numbers and color  the even numbers.

29

12

34

70

9

87

5

1

66

47

73

4

23

46

90

15

38

51

Circle the odd numbers in each row as the example.

Example

	7	13	6	51	27	34
a.	11	12	15	2	21	25
b.	17	19	4	31	45	0
c.	10	9	5	31	14	20
d.	3	20	1	8	12	23

Circle the even numbers in each row as the example.

Example

	2	5	10	17	11	9
a.	9	18	6	64	23	0
b.	3	14	20	19	17	8
c.	4	1	16	28	9	72
d.	15	10	12	9	30	2





Match.

12

5

99

60

103

56

odd

even

38

21

116

44

87

52

Use the digits to write a number. Switch the digits to write another number. Choose if odd or even as the example.

Example

2	1
21	12
odd	even

a.

5	4
odd	even

b.

7	8
odd	even

c.

6	9
odd	even

d.

6	2
odd	even

e.

5	3
odd	even

**Sheet (4) Arrays - Pattern****Complete the number pattern:**

$+2$ $+2$ $+2$ $+2$ $+2$

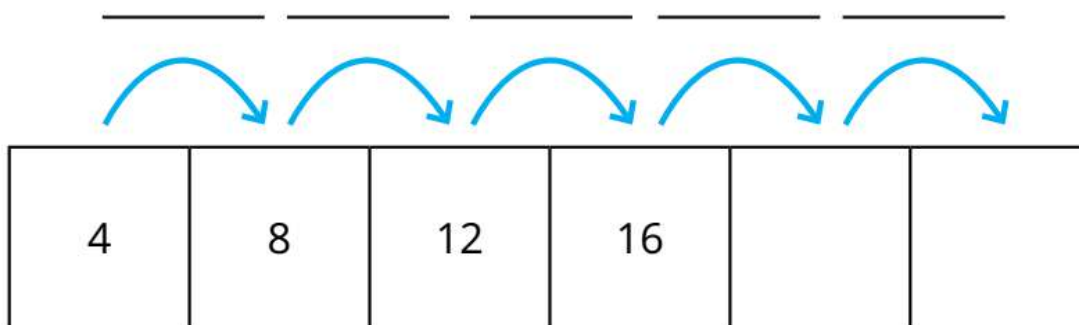
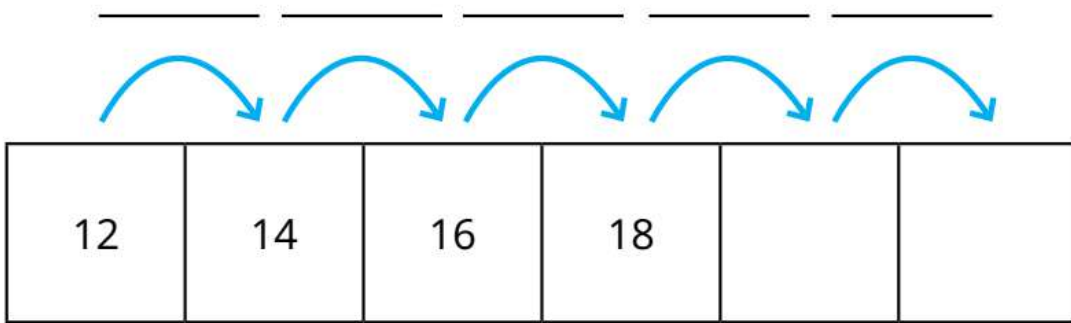
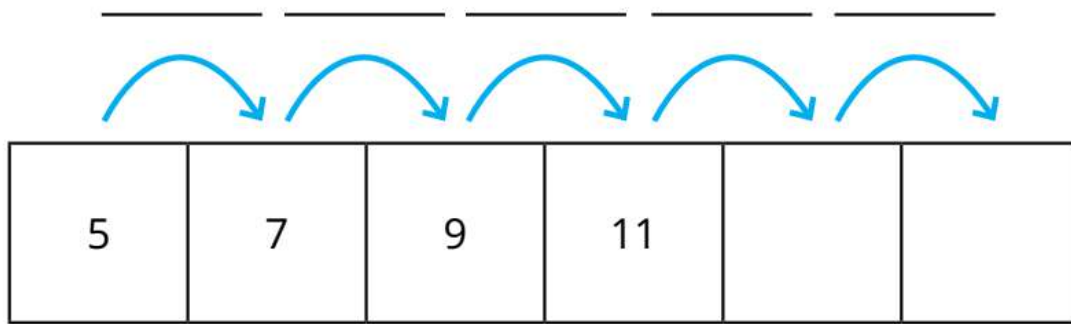
2	4	6	8		
---	---	---	---	--	--

0	3	6	9		
---	---	---	---	--	--

10	15	20	25		
----	----	----	----	--	--

20	30	40	50		
----	----	----	----	--	--





Use the 120 chart. Extend the pattern. Write the pattern rule.

- Skip-count forward by 2s

1 , 3 , 5 , _____ , _____

- Skip-count forward by 2s

2 , 4 , 6 , _____ , _____

- Skip-count forward by 5s

5 , 10 , 15 , _____ , _____

- Skip-count forward by 5s

32 , 37 , 42 , _____ , _____

- Skip-count forward by 10s

10 , 20 , 30 , _____ , _____

Rule





Use the 120 chart. Extend the pattern. Write the pattern rule.

- Skip-count backward by 2s

20 , 18 , 16 , _____ , _____

Rule

- Skip-count backward by 2s

79 , 77 , 75 , _____ , _____

- Skip-count backward by 5s

60 , 55 , 50 , _____ , _____

- Skip-count backward by 5s

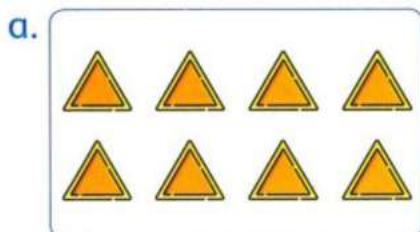
73 , 68 , 63 , _____ , _____

- Skip-count backward by 10s

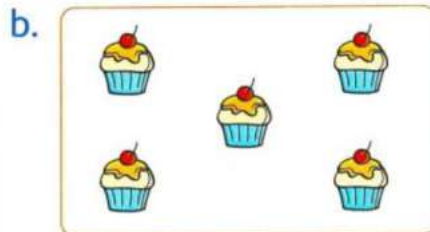
80 , 70 , 60 , _____ , _____



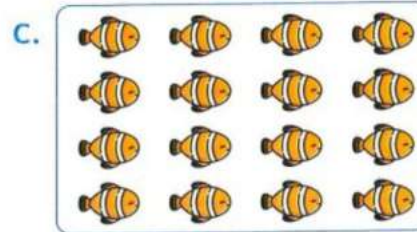
Choose "Array" or "Non-Array".



Array Non-array



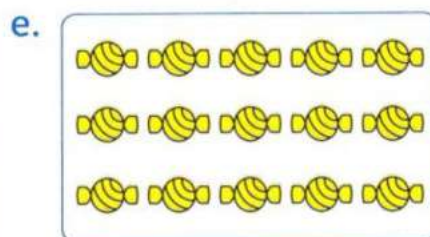
Array Non-array



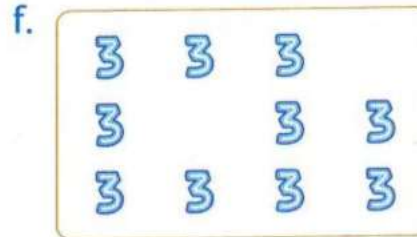
Array Non-array



Array Non-array



Array Non-array



Array Non-array



Count the rows and write the addition equation. Then count the columns and write the addition equation:



Rows: _____

Columns: _____



Rows: _____

Columns: _____



Rows: _____

Columns: _____



Rows: _____

Columns: _____



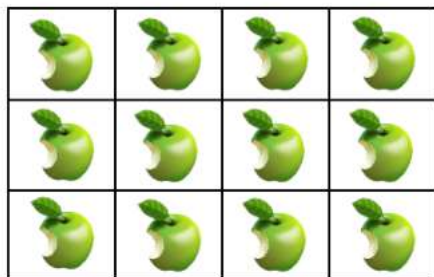
Rows: _____

Columns: _____





Complete then create your own array:



Rows: the equation:

Columns: the equation:

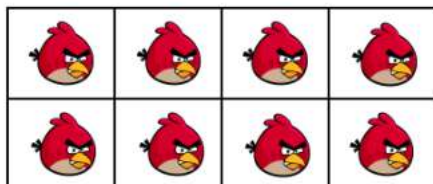
This is a by array



Rows: the equation:

Columns: the equation:

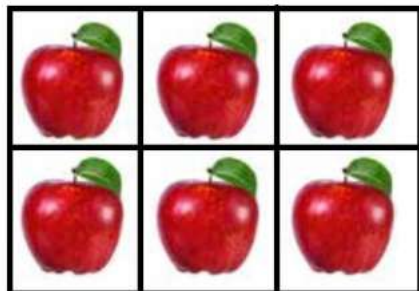
This is a by array



Rows: the equation:

Columns: the equation:

This is a by array



Rows: the equation:

Columns: the equation:

This is a by array





Homework



Rows: the equation:

Columns: the equation:

This is a by array



Rows : with equation



Columns: with equation



Array is called by



Rows : with equation



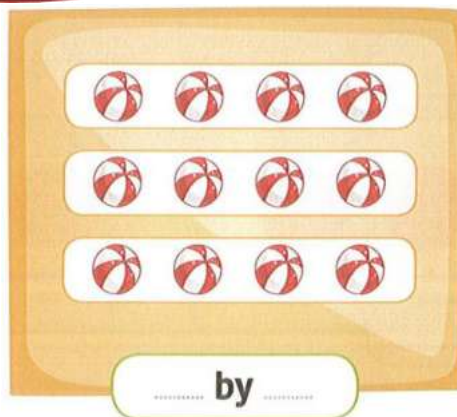
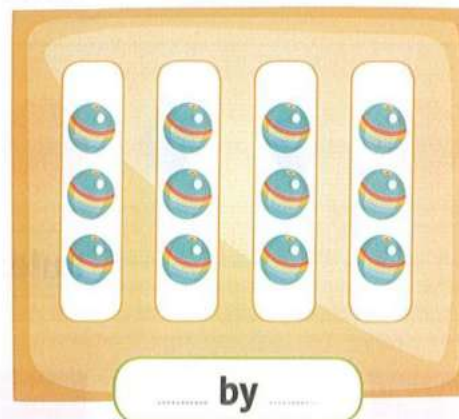
Columns: with equation

Array is called by



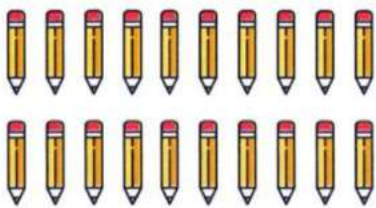


Write the name of each array:



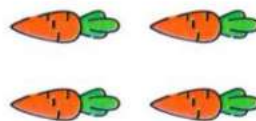
Write the number of rows and the number of columns. Name the array.

a.



Rows Columns
_____ by _____ array

b.

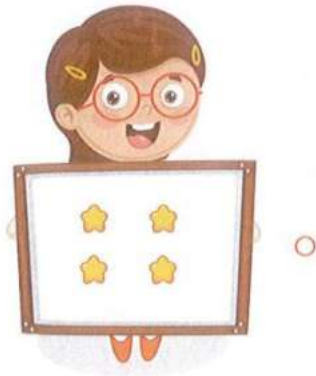


Rows Columns
_____ by _____ array

c.



Rows Columns
_____ by _____ array

**Match:**

**Sheet (5) Estimating - Rounding****Use front-end strategy to estimate the results:****1.**Estimate: $32 + 54$

$$\square + \square = \square$$

2.Estimate: $53 + 15$

$$\square + \square = \square$$

3.Estimate: $57 + 22$

$$\square + \square = \square$$

4.Estimate: $35 + 92$

$$\square + \square = \square$$

5.Estimate: $234 + 140$

$$\square + \square = \square$$

6.Estimate: $378 + 234$

$$\square + \square = \square$$

7.Estimate: $93 - 41$

$$\square - \square = \square$$

8.Estimate: $86 - 25$

$$\square - \square = \square$$

9.Estimate: $72 - 54$

$$\square - \square = \square$$

10.Estimate: $581 - 348$

$$\square - \square = \square$$



**Match:**

$$\begin{array}{r} 78 + 32 \\ + \\ \hline \end{array}$$



$$40$$

$$\begin{array}{r} 63 - 18 \\ - \\ \hline \end{array}$$

$$60$$

$$\begin{array}{r} 35 + 11 \\ + \\ \hline \end{array}$$

$$50$$

$$\begin{array}{r} 94 - 31 \\ - \\ \hline \end{array}$$

$$100$$



**Round (approximate) to the nearest 10:****The rule: 5 or more 1 up more**

	The number	To the nearest 10
1.	36	
2.	25	
3.	77	
4.	89	
5.	48	
6.	65	
7.	29	
8.	36	
9.	17	
10.	21	
11.	34	
12.	72	
13.	83	
14.	64	
15.	92	
16.	81	
17.	73	
18.	62	
19.	79	
20.	51	



**Round to the nearest 10:**95 closest to **100**74 closest to 68 closest to 21 closest to 89 closest to 18 closest to **Round to the nearest 100:**

771

229

584

626

947

773

479

633

352

135

987

522





Round to the nearest 100:

284 300 765 143 937 498

522 608 181 875 751

396 412 252 749 536

Estimate the sum and the difference as the example:

$$\begin{array}{r} 78 \\ - 14 \\ \hline \end{array} \rightarrow \begin{array}{l} 80 \\ 10 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 44 \\ + 27 \\ \hline \end{array} \rightarrow \begin{array}{l} \\ \\ \hline \end{array}$$



$$\begin{array}{r} 82 \\ + 18 \\ \hline \end{array} \rightarrow \begin{array}{l} \\ \\ \hline \end{array}$$



$$\begin{array}{r} 68 \\ - 31 \\ \hline \end{array} \rightarrow \begin{array}{l} \\ \\ \hline \end{array}$$

$$\begin{array}{r} 73 \\ + 11 \\ \hline \end{array} \rightarrow \begin{array}{l} \\ \\ \hline \end{array}$$





Homework

Use front-end strategy to estimate:

a. 15 $\xrightarrow{\text{estimate}}$ _____

b. 38 $\xrightarrow{\text{estimate}}$ _____

c. 75 $\xrightarrow{\text{estimate}}$ _____

d. 63 $\xrightarrow{\text{estimate}}$ _____

e. 78 $\xrightarrow{\text{estimate}}$ _____

f. 94 $\xrightarrow{\text{estimate}}$ _____

g. 147 $\xrightarrow{\text{estimate}}$ _____

h. 836 $\xrightarrow{\text{estimate}}$ _____

i. 782 $\xrightarrow{\text{estimate}}$ _____

j. 427 $\xrightarrow{\text{estimate}}$ _____

k. 976 $\xrightarrow{\text{estimate}}$ _____

l. 841 $\xrightarrow{\text{estimate}}$ _____

Use front-end estimation strategy:

Example

Estimate: $\begin{array}{r} 53 \\ \downarrow \\ 50 \end{array} + \begin{array}{r} 21 \\ \downarrow \\ 20 \end{array} = 70$

Example

Estimate: $\begin{array}{r} 746 \\ \downarrow \\ 700 \end{array} - \begin{array}{r} 243 \\ \downarrow \\ 200 \end{array} = 500$

a. Estimate: $\begin{array}{r} 32 \\ \downarrow \\ \end{array} + \begin{array}{r} 54 \\ \downarrow \\ \end{array} = \underline{\hspace{2cm}}$

b. Estimate: $\begin{array}{r} 93 \\ \downarrow \\ \end{array} - \begin{array}{r} 41 \\ \downarrow \\ \end{array} = \underline{\hspace{2cm}}$

c. Estimate: $\begin{array}{r} 53 \\ \downarrow \\ \end{array} + \begin{array}{r} 15 \\ \downarrow \\ \end{array} = \underline{\hspace{2cm}}$

d. Estimate: $\begin{array}{r} 86 \\ \downarrow \\ \end{array} - \begin{array}{r} 25 \\ \downarrow \\ \end{array} = \underline{\hspace{2cm}}$

e. Estimate: $\begin{array}{r} 57 \\ \downarrow \\ \end{array} + \begin{array}{r} 22 \\ \downarrow \\ \end{array} = \underline{\hspace{2cm}}$

f. Estimate: $\begin{array}{r} 72 \\ \downarrow \\ \end{array} - \begin{array}{r} 54 \\ \downarrow \\ \end{array} = \underline{\hspace{2cm}}$

g. Estimate: $\begin{array}{r} 35 \\ \downarrow \\ \end{array} + \begin{array}{r} 92 \\ \downarrow \\ \end{array} = \underline{\hspace{2cm}}$

h. Estimate: $\begin{array}{r} 234 \\ \downarrow \\ \end{array} + \begin{array}{r} 140 \\ \downarrow \\ \end{array} = \underline{\hspace{2cm}}$

i. Estimate: $\begin{array}{r} 581 \\ \downarrow \\ \end{array} - \begin{array}{r} 348 \\ \downarrow \\ \end{array} = \underline{\hspace{2cm}}$

j. Estimate: $\begin{array}{r} 378 \\ \downarrow \\ \end{array} + \begin{array}{r} 234 \\ \downarrow \\ \end{array} = \underline{\hspace{2cm}}$



Use front-end estimation strategy to add or subtract:

a. $\begin{array}{r} 43 \\ + 11 \\ \hline \end{array}$ estimate $\rightarrow$ **Think:**

$\begin{array}{r} 43 \\ + 11 \\ \hline \end{array}$ estimate $\rightarrow$ $\begin{array}{r} + \\ \hline \end{array}$

43 + 11 is estimated to

b. $\begin{array}{r} 64 \\ - 23 \\ \hline \end{array}$ estimate $\rightarrow$ **Think:**

$\begin{array}{r} 64 \\ - 23 \\ \hline \end{array}$ estimate $\rightarrow$ $\begin{array}{r} - \\ \hline \end{array}$

64 - 23 is estimated to

c. $\begin{array}{r} 52 \\ + 41 \\ \hline \end{array}$ estimate $\rightarrow$ **Think:**

$\begin{array}{r} 52 \\ + 41 \\ \hline \end{array}$ estimate $\rightarrow$ $\begin{array}{r} + \\ \hline \end{array}$

52 + 41 is estimated to

d. $\begin{array}{r} 98 \\ - 35 \\ \hline \end{array}$ estimate $\rightarrow$ **Think:**

$\begin{array}{r} 98 \\ - 35 \\ \hline \end{array}$ estimate $\rightarrow$ $\begin{array}{r} - \\ \hline \end{array}$

98 - 35 is estimated to

e. $\begin{array}{r} 31 \\ + 93 \\ \hline \end{array}$ estimate $\rightarrow$ **Think:**

$\begin{array}{r} 31 \\ + 93 \\ \hline \end{array}$ estimate $\rightarrow$ $\begin{array}{r} + \\ \hline \end{array}$

31 + 93 is estimated to

f. $\begin{array}{r} 86 \\ - 15 \\ \hline \end{array}$ estimate $\rightarrow$ **Think:**

$\begin{array}{r} 86 \\ - 15 \\ \hline \end{array}$ estimate $\rightarrow$ $\begin{array}{r} - \\ \hline \end{array}$

86 - 15 is estimated to

g. $\begin{array}{r} 230 \\ + 419 \\ \hline \end{array}$ estimate $\rightarrow$ **Think:**

$\begin{array}{r} 230 \\ + 419 \\ \hline \end{array}$ estimate $\rightarrow$ $\begin{array}{r} + \\ \hline \end{array}$

230 + 419 is estimated to

h. $\begin{array}{r} 559 \\ - 327 \\ \hline \end{array}$ estimate $\rightarrow$ **Think:**

$\begin{array}{r} 559 \\ - 327 \\ \hline \end{array}$ estimate $\rightarrow$ $\begin{array}{r} - \\ \hline \end{array}$

559 - 327 is estimated to

i. $\begin{array}{r} 517 \\ + 232 \\ \hline \end{array}$ estimate $\rightarrow$ **Think:**

$\begin{array}{r} 517 \\ + 232 \\ \hline \end{array}$ estimate $\rightarrow$ $\begin{array}{r} + \\ \hline \end{array}$

517 + 232 is estimated to

j. $\begin{array}{r} 976 \\ - 234 \\ \hline \end{array}$ estimate $\rightarrow$ **Think:**

$\begin{array}{r} 976 \\ - 234 \\ \hline \end{array}$ estimate $\rightarrow$ $\begin{array}{r} - \\ \hline \end{array}$

976 - 234 is estimated to





Round the following numbers to the nearest ten:

a. 86 is closer to _____	b. 33 is closer to _____	c. 75 is closer to _____
d. 8 is closer to _____	e. 49 is closer to _____	f. 81 is closer to _____
g. 17 is closer to _____	h. 24 is closer to _____	i. 53 is closer to _____
j. 65 is closer to _____	k. 28 is closer to _____	l. 12 is closer to _____
m. 94 is closer to _____	n. 57 is closer to _____	o. 37 is closer to _____
p. 3 is closer to _____	q. 19 is closer to _____	r. 31 is closer to _____
s. 42 is closer to _____	t. 48 is closer to _____	u. 61 is closer to _____
v. 73 is closer to _____	w. 5 is closer to _____	x. 9 is closer to _____
y. 88 is closer to _____	z. 44 is closer to _____	62 is closer to _____





Use rounding to the nearest ten to estimate results as the example.

Example

$$\begin{array}{r} 25 \longrightarrow \text{Think: } 30 \\ + 13 \longrightarrow + 10 \\ \hline 40 \end{array}$$

a.

$$\begin{array}{r} 79 \longrightarrow \text{Think: } \\ - 46 \longrightarrow - \\ \hline \end{array}$$

b.

$$\begin{array}{r} 58 \longrightarrow \text{Think: } \\ + 24 \longrightarrow + \\ \hline \end{array}$$

c.

$$\begin{array}{r} 64 \longrightarrow \text{Think: } \\ - 32 \longrightarrow - \\ \hline \end{array}$$

d.

$$\begin{array}{r} 42 \longrightarrow \text{Think: } \\ + 38 \longrightarrow + \\ \hline \end{array}$$

e.

$$\begin{array}{r} 94 \longrightarrow \text{Think: } \\ - 53 \longrightarrow - \\ \hline \end{array}$$

f.

$$\begin{array}{r} 19 \longrightarrow \text{Think: } \\ + 74 \longrightarrow + \\ \hline \end{array}$$

g.

$$\begin{array}{r} 81 \longrightarrow \text{Think: } \\ - 9 \longrightarrow - \\ \hline \end{array}$$

h.

$$\begin{array}{r} 31 \longrightarrow \text{Think: } \\ + 47 \longrightarrow + \\ \hline \end{array}$$

i.

$$\begin{array}{r} 56 \longrightarrow \text{Think: } \\ - 11 \longrightarrow - \\ \hline \end{array}$$

j.

$$\begin{array}{r} 22 \longrightarrow \text{Think: } \\ + 61 \longrightarrow + \\ \hline \end{array}$$

k.

$$\begin{array}{r} 48 \longrightarrow \text{Think: } \\ - 15 \longrightarrow - \\ \hline \end{array}$$

l.

$$\begin{array}{r} 79 \longrightarrow \text{Think: } \\ + 17 \longrightarrow + \\ \hline \end{array}$$

m.

$$\begin{array}{r} 87 \longrightarrow \text{Think: } \\ - 35 \longrightarrow - \\ \hline \end{array}$$





Sheet (6) Adding

Add:

	Hundreds	Tens	Ones
	4	5	4
+	3	2	8

	Hundreds	Tens	Ones
	5	1	9
+	3	7	5

	Hundreds	Tens	Ones
	5	1	9
+	3	7	5

	Hundreds	Tens	Ones
	6	7	4
+	1	5	3

	Hundreds	Tens	Ones
	1	9	2
+	4	7	0

	Hundreds	Tens	Ones
	2	8	6
+	5	6	2

	Hundreds	Tens	Ones
	1	8	2
+	2	3	9

	Hundreds	Tens	Ones
	1	0	5
+	5	9	6

	Hundreds	Tens	Ones
	2	6	9
+	2	5	4

	Hundreds	Tens	Ones
	5	6	9
+		5	8

	Hundreds	Tens	Ones
	3	1	8
+	3	9	8

	Hundreds	Tens	Ones
	7	7	1
+		2	9

	Hundreds	Tens	Ones
	5	0	3
+	3	1	7

	Hundreds	Tens	Ones
	1	2	7
+	1	6	6

	Hundreds	Tens	Ones
	1	4	9
+		6	3





Add:

$$\begin{array}{r} + 45 \\ 9 \\ \hline \end{array}$$

$$\begin{array}{r} + 19 \\ 16 \\ \hline \end{array}$$

$$\begin{array}{r} + 28 \\ 46 \\ \hline \end{array}$$

$$\begin{array}{r} + 89 \\ 11 \\ \hline \end{array}$$



$$\begin{array}{r} + 38 \\ 16 \\ \hline \end{array}$$

$$\begin{array}{r} + 43 \\ 18 \\ \hline \end{array}$$

$$\begin{array}{r} + 90 \\ 13 \\ \hline \end{array}$$

$$\begin{array}{r} + 57 \\ 19 \\ \hline \end{array}$$



$$\begin{array}{r} + 67 \\ 15 \\ \hline \end{array}$$

$$\begin{array}{r} + 45 \\ 18 \\ \hline \end{array}$$

$$\begin{array}{r} + 19 \\ 18 \\ \hline \end{array}$$

$$\begin{array}{r} + 88 \\ 7 \\ \hline \end{array}$$

Add as the example:

$$\begin{array}{r} \boxed{1} \leftarrow \\ 6 \ 3 \uparrow \\ + 2 \ 7 \quad \boxed{10} \\ \hline 9 \ 0 \leftarrow \end{array}$$

$$\begin{array}{r} \boxed{} \leftarrow \\ 5 \ 4 \uparrow \\ + 2 \ 8 \quad \boxed{} \boxed{} \\ \hline \end{array}$$

$$\begin{array}{r} \boxed{} \leftarrow \\ 4 \ 3 \uparrow \\ + 3 \ 9 \quad \boxed{} \boxed{} \\ \hline \end{array}$$



**Add:**

$$\begin{array}{r} 461 \\ + 52 \\ \hline \end{array}$$

$$\begin{array}{r} 455 \\ + 292 \\ \hline \end{array}$$

$$\begin{array}{r} 604 \\ + 148 \\ \hline \end{array}$$

$$\begin{array}{r} 520 \\ + 358 \\ \hline \end{array}$$



$$\begin{array}{r} 442 \\ + 295 \\ \hline \end{array}$$

$$\begin{array}{r} 843 \\ + 96 \\ \hline \end{array}$$

$$\begin{array}{r} 469 \\ + 23 \\ \hline \end{array}$$

$$\begin{array}{r} 424 \\ + 268 \\ \hline \end{array}$$



$$\begin{array}{r} 657 \\ + 238 \\ \hline \end{array}$$

$$\begin{array}{r} 563 \\ + 356 \\ \hline \end{array}$$

$$\begin{array}{r} 402 \\ + 247 \\ \hline \end{array}$$

$$\begin{array}{r} 602 \\ + 243 \\ \hline \end{array}$$





Homework

Add as the example:

11		
6	7	7
+	9	4
7	7	1

4	8	5
+	2	3

3	5	0
+	1	5

9	3	8
+	1	5

2	2	2
+	1	7

4	6	3
+	2	6

4	5	8
+	1	4

1	6	7
+	9	0

5	2	1
+	2	9

6	4	3
+	1	2

6	9	2
+	1	2

3	9	1
+	3	3



Add:

a.

Hundreds	Tens	Ones
4	5	4
+ 3	2	8

b.

Hundreds	Tens	Ones
5	1	9
+ 3	7	5

c.

Hundreds	Tens	Ones
6	4	5
+	2	5

d.

Hundreds	Tens	Ones
6	7	4
+ 1	5	3

e.

Hundreds	Tens	Ones
2	8	6
+ 5	6	2

f.

Hundreds	Tens	Ones
1	9	2
+ 4	7	0

g.

Hundreds	Tens	Ones
4	5	7
+ 4	6	1

h.

Hundreds	Tens	Ones
6	8	3
+ 2	9	6

i.

Hundreds	Tens	Ones
3	5	0
+	8	4

j.

Hundreds	Tens	Ones
1	8	2
+ 2	3	9

k.

Hundreds	Tens	Ones
3	3	7
+ 4	9	6

l.

Hundreds	Tens	Ones
3	5	8
+	9	2

m.

Hundreds	Tens	Ones
1	0	5
+ 5	9	6

n.

Hundreds	Tens	Ones
2	6	9
+ 2	5	4

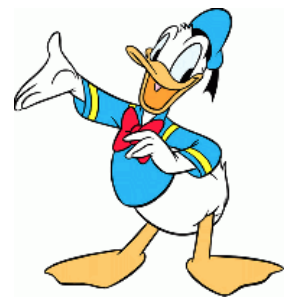
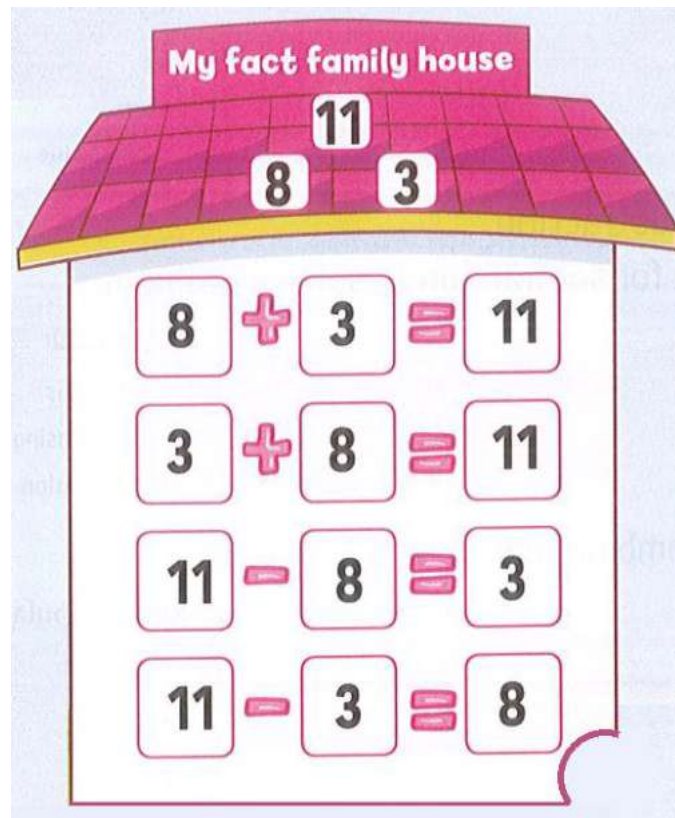
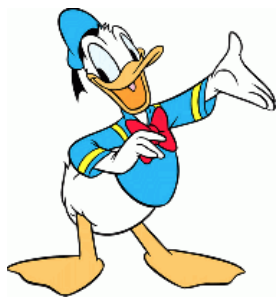
o.

Hundreds	Tens	Ones
2	4	7
+	8	7

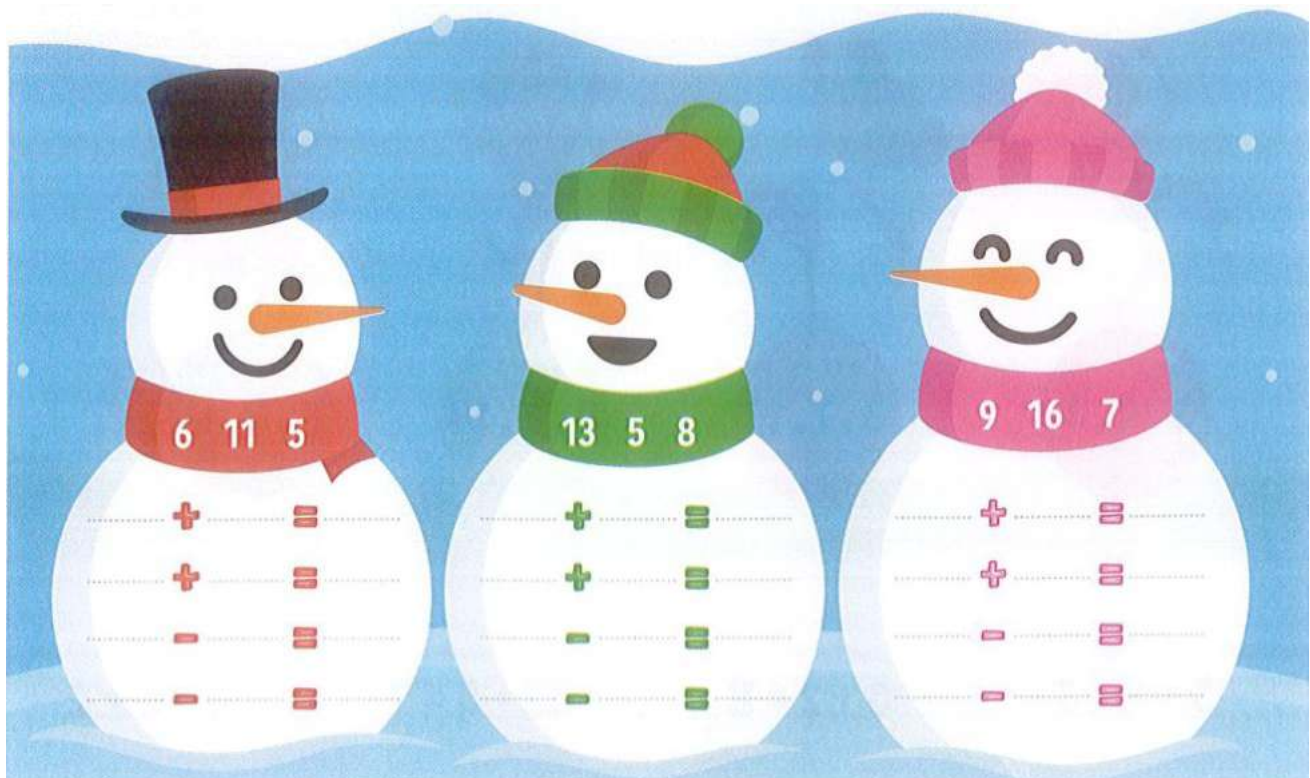


Sheet (7): Fact Families

Notice the fact family house:



Use the shown number to complete the fact family:





Complete the numbers to make a fact family:

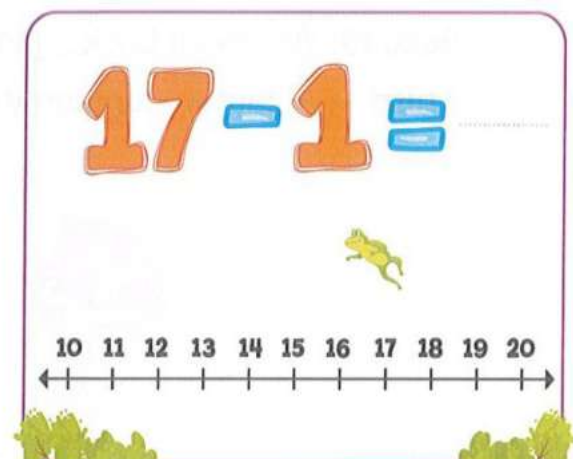
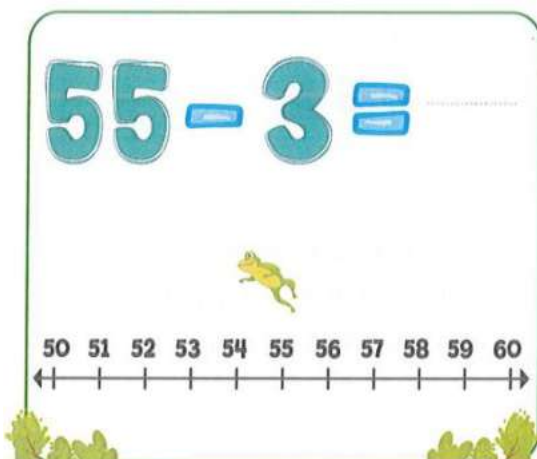
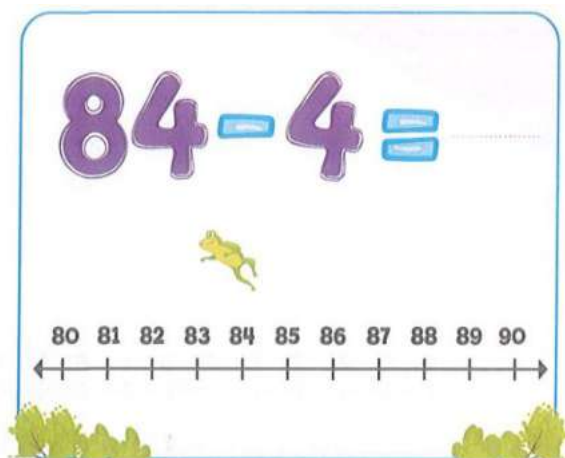
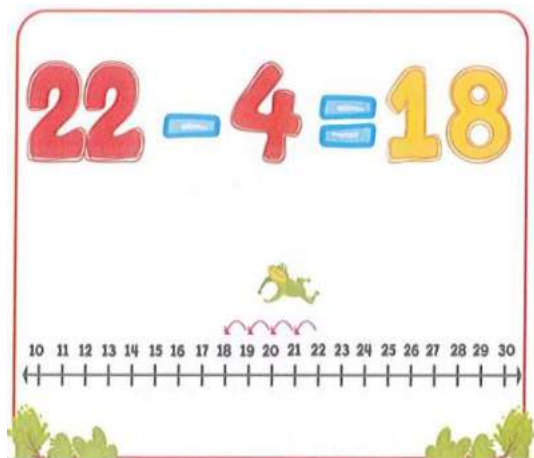


$$\begin{array}{l} \text{.....} + \text{.....} = \text{.....} \\ \text{.....} + \text{.....} = \text{.....} \\ \text{.....} - \text{.....} = \text{.....} \\ \text{.....} - \text{.....} = \text{.....} \end{array}$$



$$\begin{array}{l} \text{.....} + \text{.....} = \text{.....} \\ \text{.....} + \text{.....} = \text{.....} \\ \text{.....} - \text{.....} = \text{.....} \\ \text{.....} - \text{.....} = \text{.....} \end{array}$$

Use the number line to find the result:





Story problems:

In the class there are 35 girls and 13 boys.
How many more girls are there than boys ?



Maha and Safa had 28 gifts to wrap.
They have wrapped 4.
How many more do they need to wrap ?



Samir made 48 cookies.
He gave 22 to his sister Dalia.
How many cookies are left ?



76 cars were in the cars park.
13 cars went away.
How many cars are there in the cars park now ?





Homework

Write the fact family of each.

a.

6

12

18

$$\begin{array}{rcl} \underline{\quad} + \underline{\quad} & = & \underline{\quad} \\ \underline{\quad} + \underline{\quad} & = & \underline{\quad} \\ \underline{\quad} - \underline{\quad} & = & \underline{\quad} \\ \underline{\quad} - \underline{\quad} & = & \underline{\quad} \end{array}$$

b.

9

16

7

$$\begin{array}{rcl} \underline{\quad} + \underline{\quad} & = & \underline{\quad} \\ \underline{\quad} + \underline{\quad} & = & \underline{\quad} \\ \underline{\quad} - \underline{\quad} & = & \underline{\quad} \\ \underline{\quad} - \underline{\quad} & = & \underline{\quad} \end{array}$$

c.

19

5

14

$$\begin{array}{rcl} \underline{\quad} + \underline{\quad} & = & \underline{\quad} \\ \underline{\quad} + \underline{\quad} & = & \underline{\quad} \\ \underline{\quad} - \underline{\quad} & = & \underline{\quad} \\ \underline{\quad} - \underline{\quad} & = & \underline{\quad} \end{array}$$

d.

5

11

6

$$\begin{array}{rcl} \underline{\quad} + \underline{\quad} & = & \underline{\quad} \\ \underline{\quad} + \underline{\quad} & = & \underline{\quad} \\ \underline{\quad} - \underline{\quad} & = & \underline{\quad} \\ \underline{\quad} - \underline{\quad} & = & \underline{\quad} \end{array}$$

e.

18

10

8

$$\begin{array}{rcl} \underline{\quad} + \underline{\quad} & = & \underline{\quad} \\ \underline{\quad} + \underline{\quad} & = & \underline{\quad} \\ \underline{\quad} - \underline{\quad} & = & \underline{\quad} \\ \underline{\quad} - \underline{\quad} & = & \underline{\quad} \end{array}$$

f.

10

21

11

$$\begin{array}{rcl} \underline{\quad} + \underline{\quad} & = & \underline{\quad} \\ \underline{\quad} + \underline{\quad} & = & \underline{\quad} \\ \underline{\quad} - \underline{\quad} & = & \underline{\quad} \\ \underline{\quad} - \underline{\quad} & = & \underline{\quad} \end{array}$$

Jasmine has 25 candies.
Walid has 14 candies.
How many more candies does Jasmine have ?



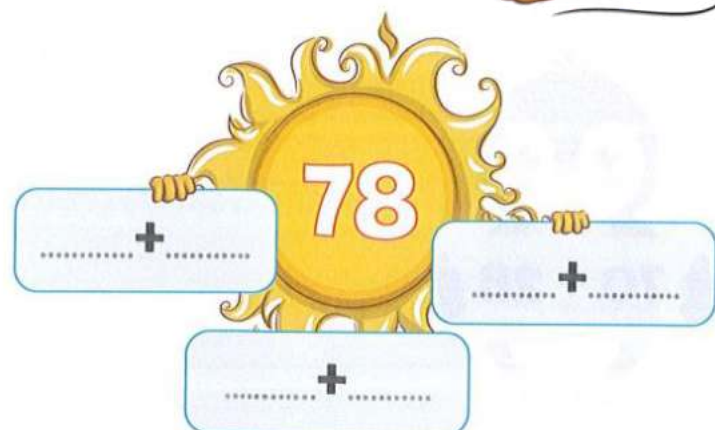
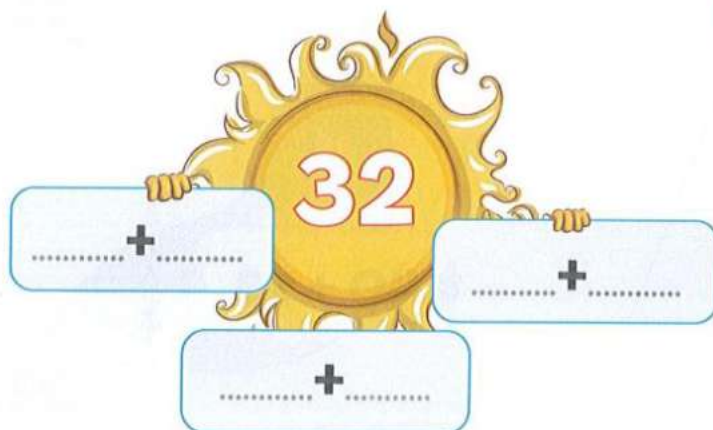
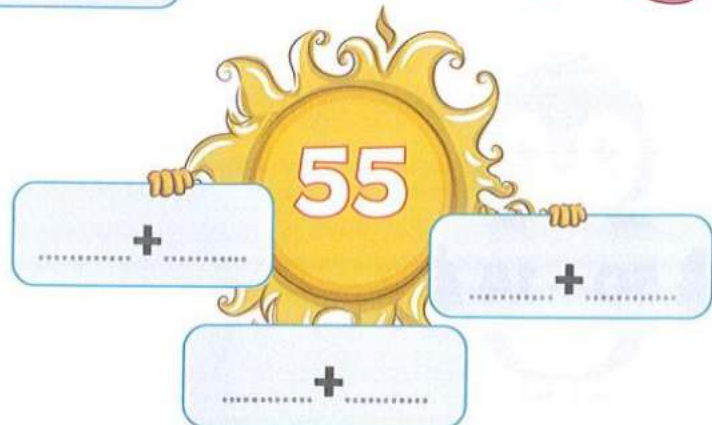
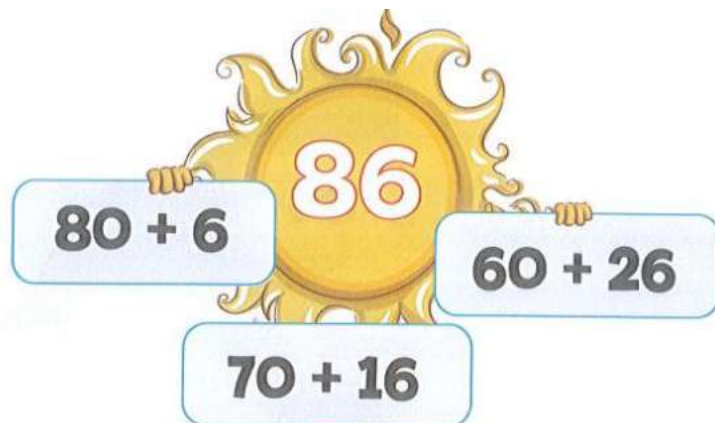
There were 65 people on the bus. At the first stop, 21 people got off.
How many people were left on the bus?





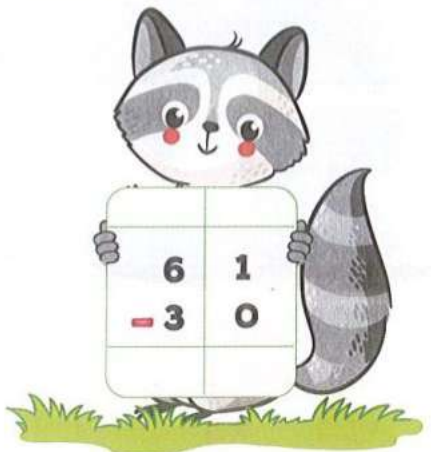
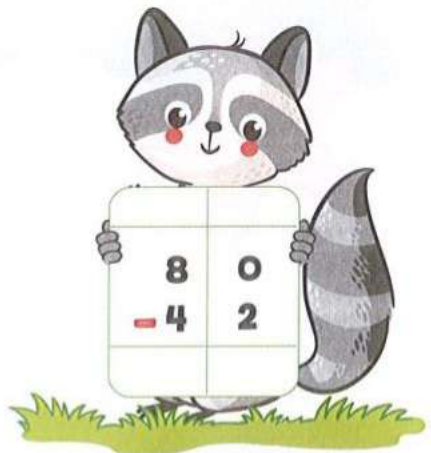
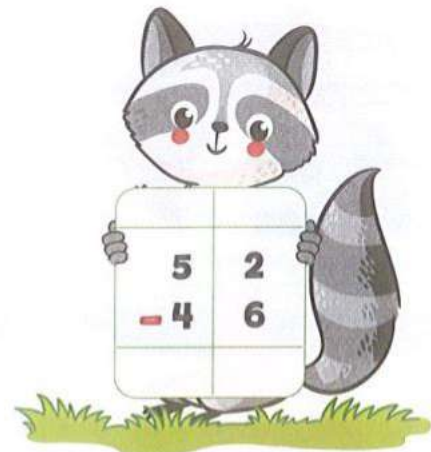
Sheet (8) Decomposing a number

Decompose the following numbers:





Subtract:





Match:





Homework

Decompose the number with 2 different ways as the example.

Answers
may vary.

Example

28

$$20 + 8$$

$$10 + 18$$

a.

36

b.

54

c.

75

Solve each cluster problem.

a.

$$42 - 10 = \underline{\hspace{2cm}}$$

$$42 - 20 = \underline{\hspace{2cm}}$$

$$42 - 30 = \underline{\hspace{2cm}}$$

$$42 - 32 = \underline{\hspace{2cm}}$$

Deduce :

$$42 - 33 = \underline{\hspace{2cm}}$$

b.

$$89 - 10 = \underline{\hspace{2cm}}$$

$$89 - 20 = \underline{\hspace{2cm}}$$

$$89 - 30 = \underline{\hspace{2cm}}$$

$$89 - 39 = \underline{\hspace{2cm}}$$

Deduce :

$$89 - 41 = \underline{\hspace{2cm}}$$

c.

$$54 - 10 = \underline{\hspace{2cm}}$$

$$54 - 20 = \underline{\hspace{2cm}}$$

$$54 - 30 = \underline{\hspace{2cm}}$$

$$54 - 34 = \underline{\hspace{2cm}}$$

Deduce :

$$54 - 36 = \underline{\hspace{2cm}}$$

Complete.

a.

$$84 = 80 + \underline{\hspace{2cm}}$$

$$84 = 70 + \underline{\hspace{2cm}}$$

$$84 = \underline{\hspace{2cm}} + 34$$

b.

$$39 = \underline{\hspace{2cm}} + 9$$

$$39 = 10 + \underline{\hspace{2cm}}$$

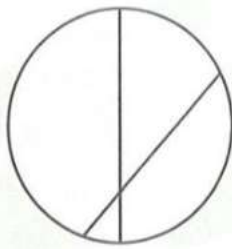
$$39 = \underline{\hspace{2cm}} + 19$$



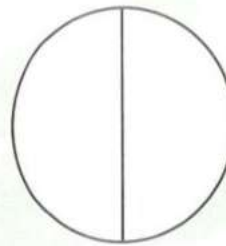


Sheet (9) Fractions

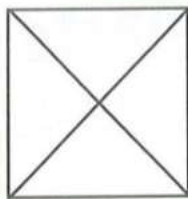
Notice, and then circle the correct sentence:



equal parts
unequal parts



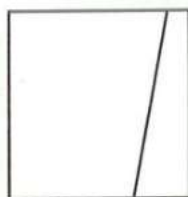
equal parts
unequal parts



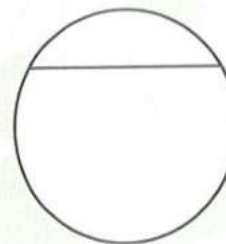
equal parts
unequal parts



equal parts
unequal parts



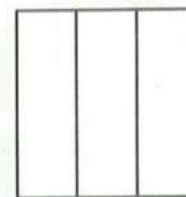
equal parts
unequal parts



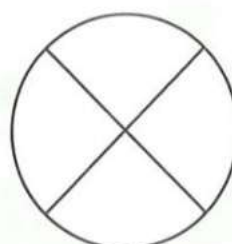
equal parts
unequal parts



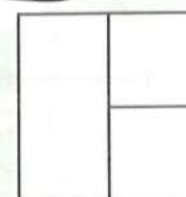
equal parts
unequal parts



equal parts
unequal parts



equal parts
unequal parts

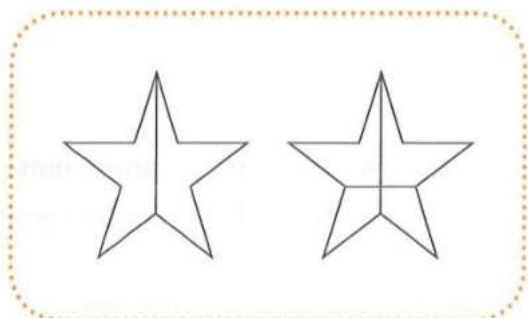
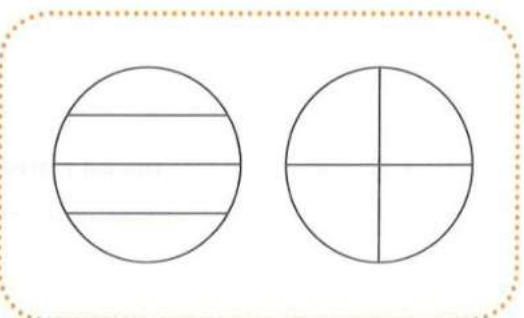
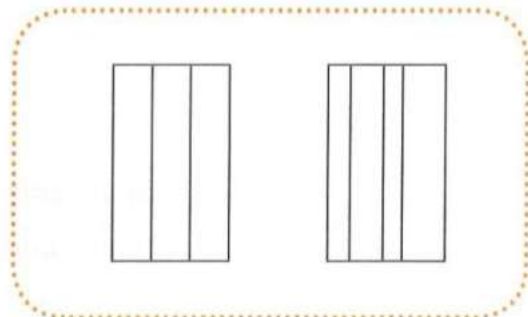
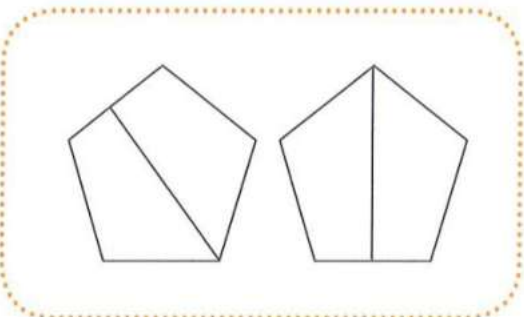
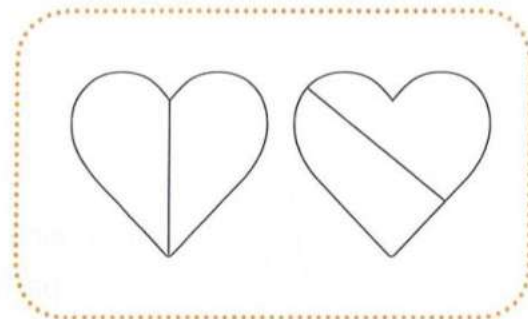
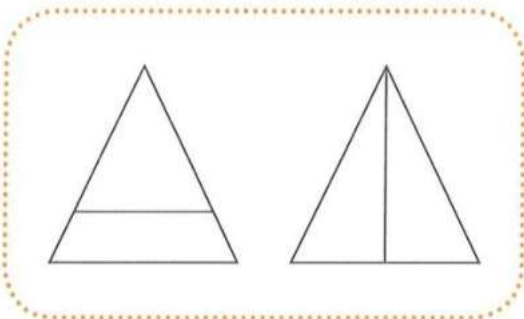
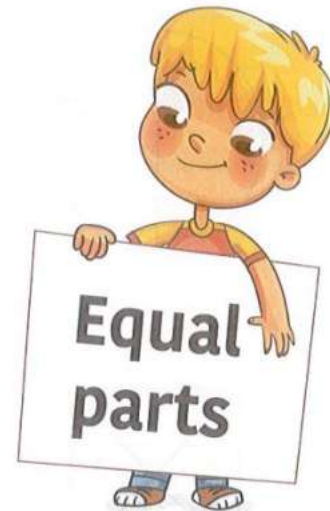
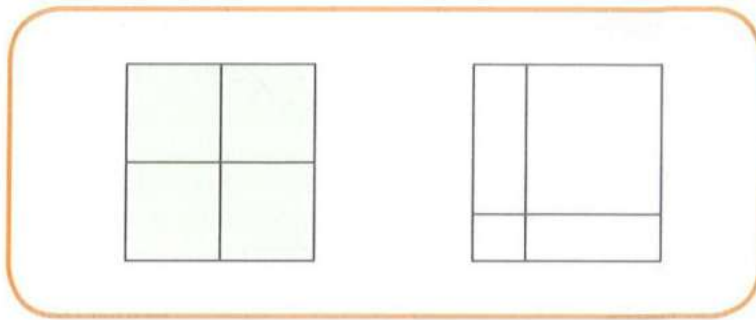


equal parts
unequal parts



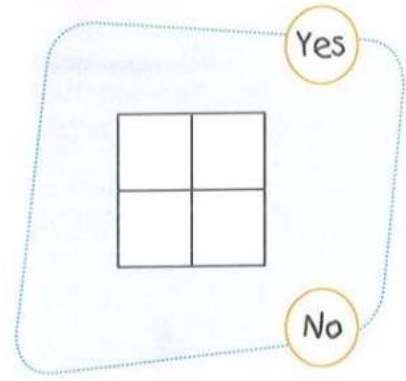
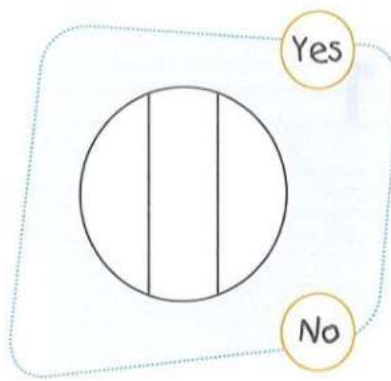
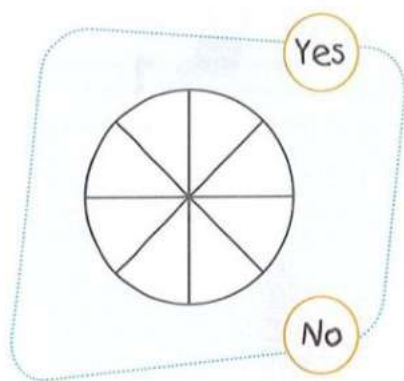
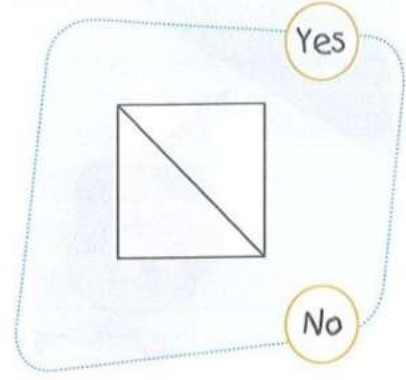
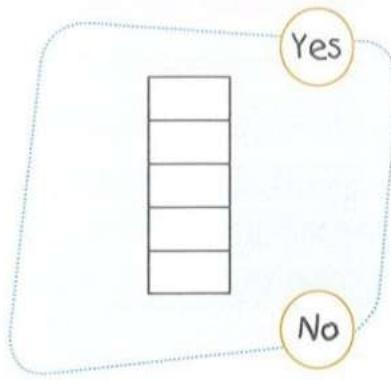
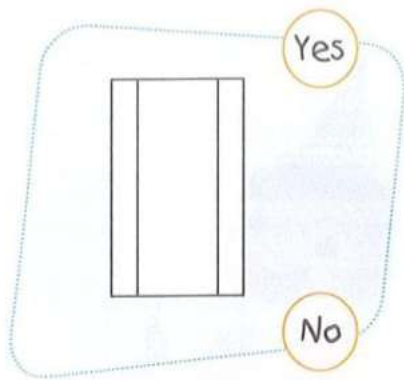


Notice, and then color the shape with equal parts:

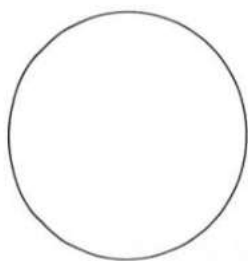




Are the parts equal? Color Yes or No:



Divide each shape into 2 equal parts





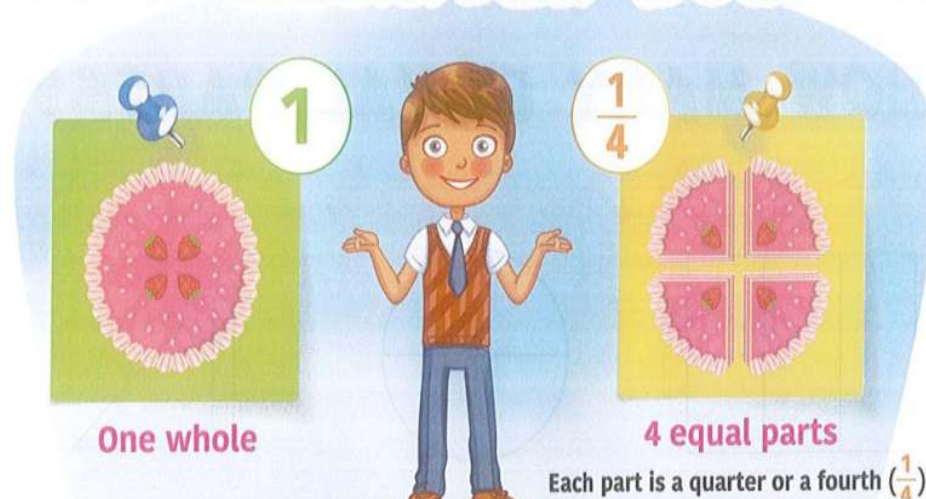
THE HALF



THE THIRD

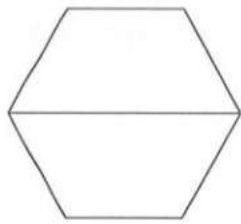


THE QUARTER (FOURTH)

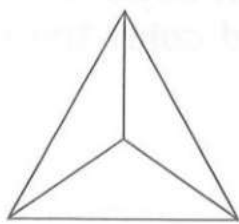




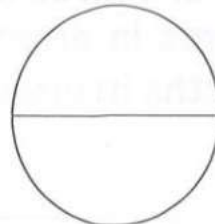
Color one part, then color the matching fraction:



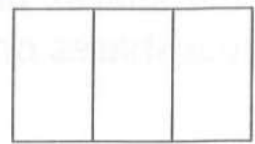
$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$



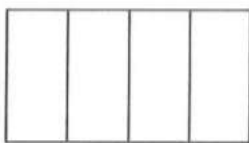
$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$



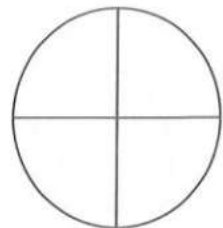
$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$



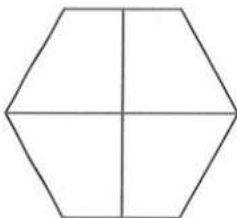
$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$



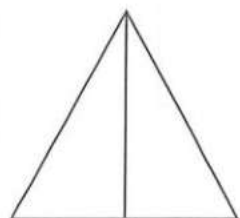
$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$



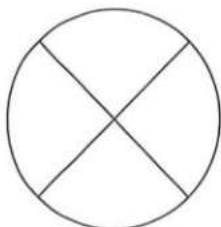
$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$



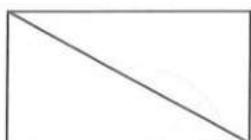
$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$



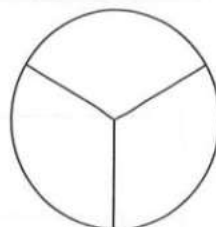
$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$



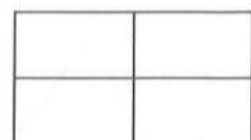
$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$



$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$



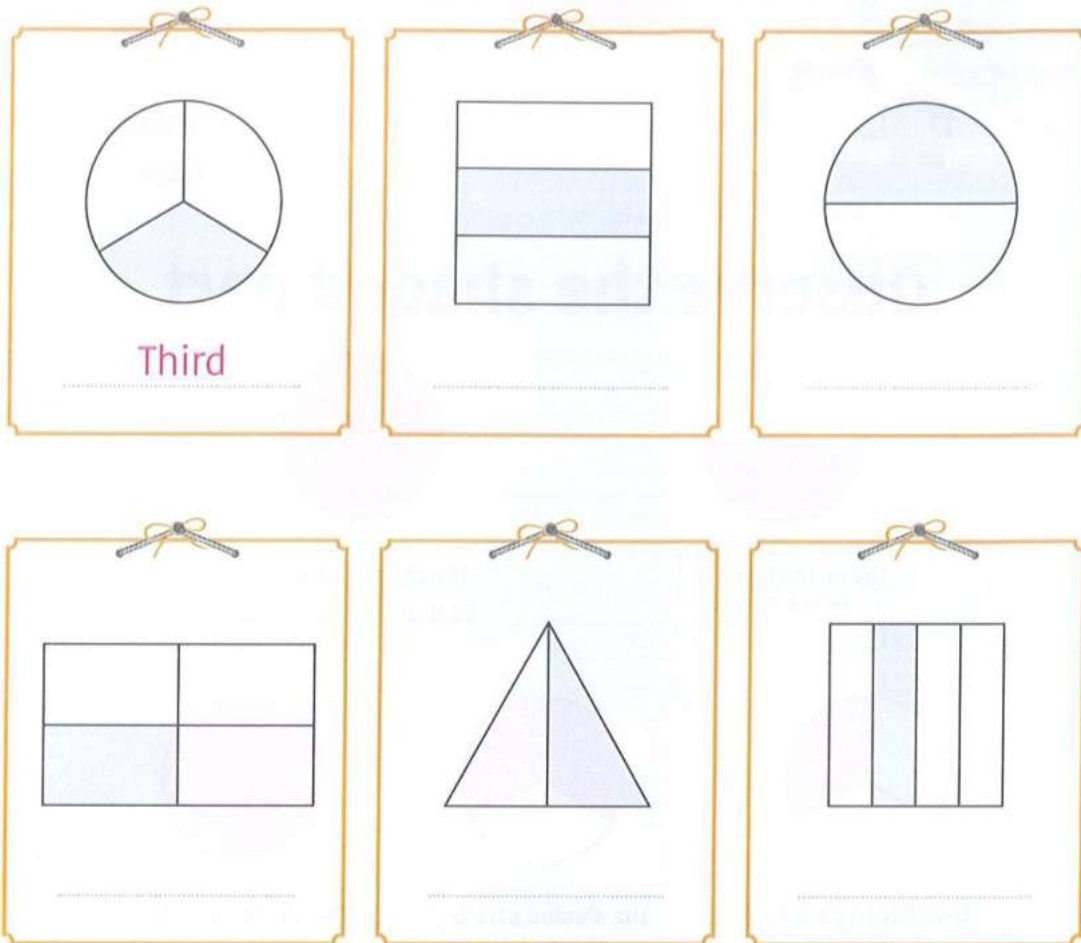
$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$



$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$



Write the fraction that represents the shaded part:



Remark:

$$1 = \frac{1}{2} + \frac{1}{2} = \text{circle divided into 2 halves}$$

$$1 = \frac{1}{3} + \frac{1}{3} + \frac{1}{3} = \text{circle divided into 3 sectors}$$

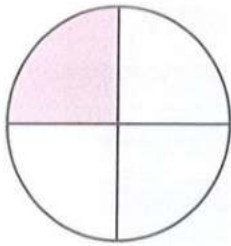
$$1 = \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \text{circle divided into 4 quadrants}$$

$$\frac{1}{2} = \frac{1}{4} + \frac{1}{4} = \text{circle divided into 4 quadrants, with 2 quadrants shaded}$$





Tick (✓) as the example:

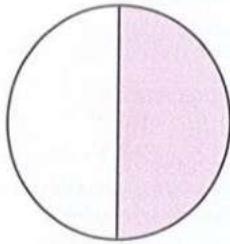


☐ $\frac{1}{2}$

☐ $\frac{3}{4}$

☒ $\frac{1}{4}$

☐ $\frac{1}{3}$

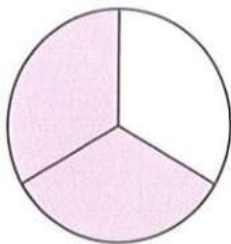


☐ $\frac{2}{3}$

☐ $\frac{2}{4}$

☐ $\frac{1}{4}$

☐ $\frac{1}{2}$

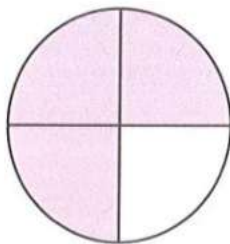


☐ $\frac{3}{4}$

☐ $\frac{1}{2}$

☐ $\frac{2}{3}$

☐ $\frac{1}{3}$

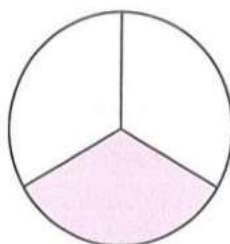


☐ $\frac{2}{4}$

☐ $\frac{3}{4}$

☐ $\frac{1}{3}$

☐ $\frac{1}{4}$



☐ $\frac{3}{4}$

☐ $\frac{1}{3}$

☐ $\frac{2}{4}$

☐ $\frac{2}{3}$



**Color the correct answer:**

A fraction, its
numerator is 1 and
its denominator is 3

$\frac{1}{2}$

$\frac{1}{3}$

$\frac{1}{4}$

A fraction, its
numerator is 2 and
its denominator is 3

$\frac{1}{3}$

$\frac{2}{4}$

$\frac{2}{3}$

A fraction, its
numerator is 3 and
its denominator is 4

$\frac{2}{3}$

$\frac{2}{4}$

$\frac{3}{4}$

A fraction, its
numerator is 1 and
its denominator is 4

$\frac{1}{2}$

$\frac{1}{4}$

$\frac{1}{3}$

A fraction, its
numerator is 2 and
its denominator is 4

$\frac{2}{4}$

$\frac{2}{3}$

$\frac{1}{4}$

A fraction which
represents a half

$\frac{1}{3}$

$\frac{2}{4}$

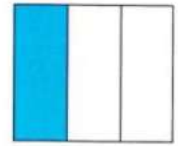
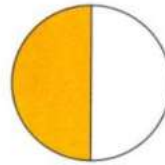
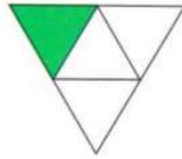
$\frac{2}{3}$



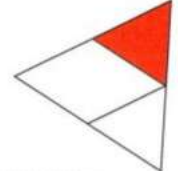
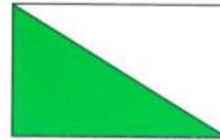
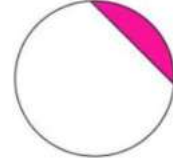
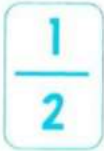
Homework

Circle the shape that shows the fraction.

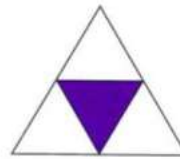
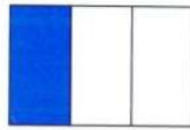
a.



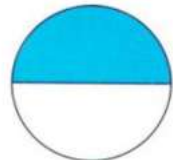
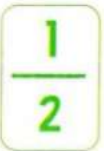
b.



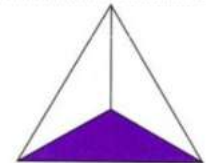
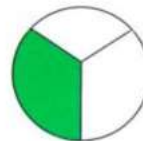
c.



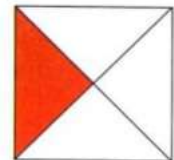
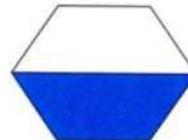
d.



e.



f.



Complete as the example:

Example

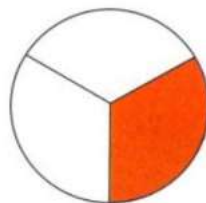


1 part is green.

2 equal parts.

1/2 is green.

a.

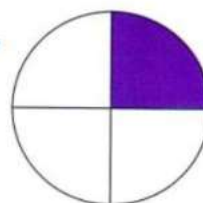


_____ part is orange.

_____ equal parts.

_____ is orange.

b.

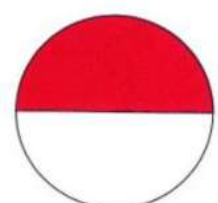


_____ part is purple.

_____ equal parts.

_____ is purple.

c.

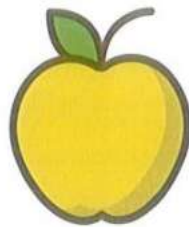
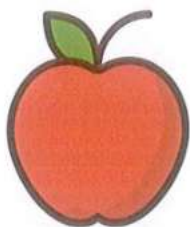


_____ part is red.

_____ equal parts.

_____ is red.



**Sheet (10) Fractions (follow)****Look and answer:**

• What fraction shows red apples?

• What fraction shows green apples?

• What fraction shows yellow apples?

Look and answer:

1. What fraction of the flower is red? _____

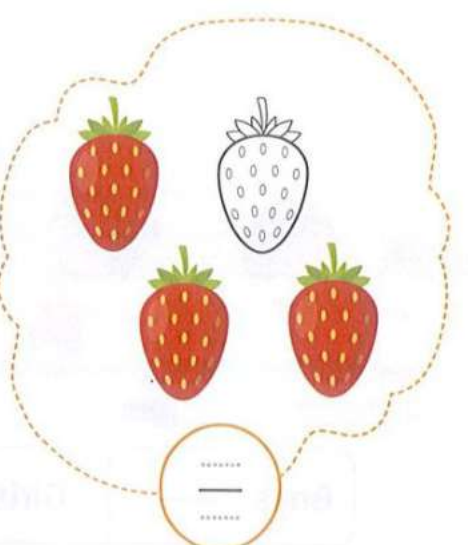
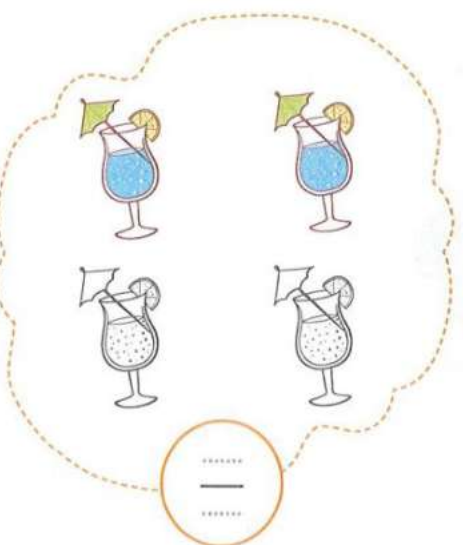
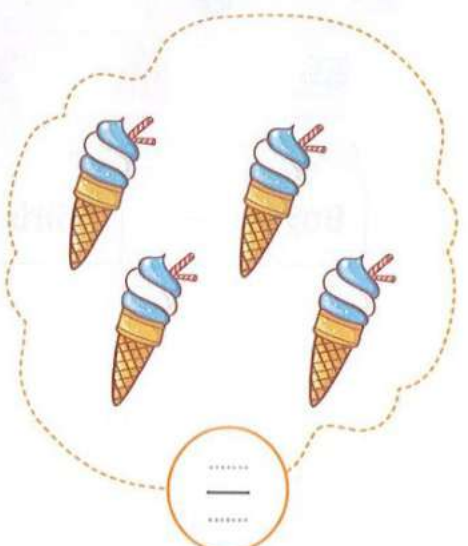
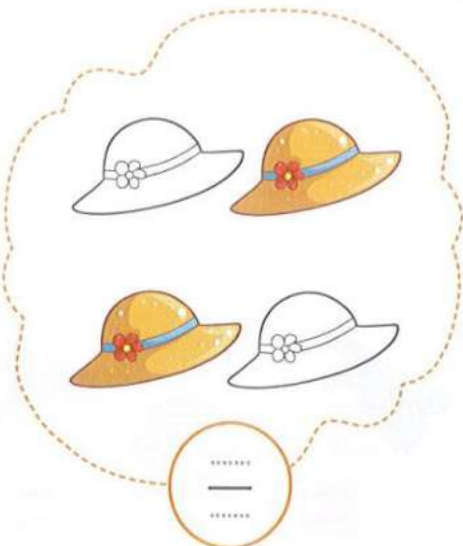
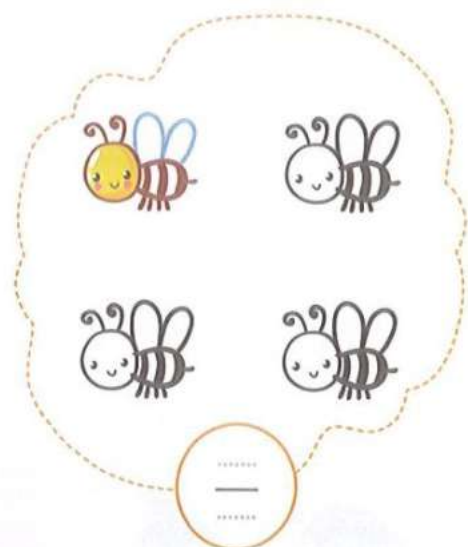
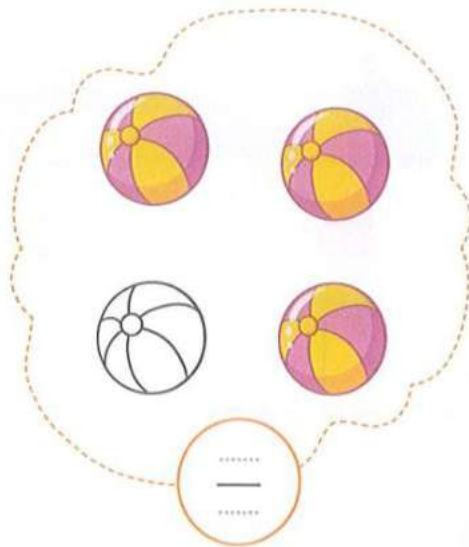
2. What fraction of the flowers are blue? _____

3. What fraction of the flowers are red AND blue? _____





Write the fraction that represents the colored objects:





Write the fraction that represents the girls & the boys:



Boys

Girls



Boys

Girls



Boys

Girls



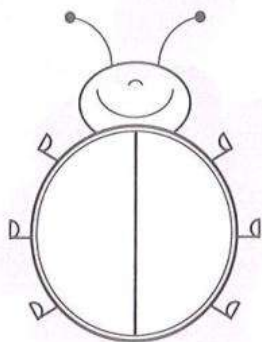
Boys

Girls

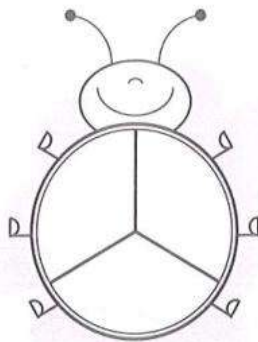




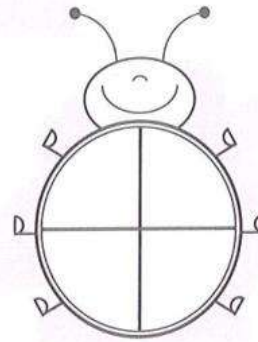
Color according to the shown fraction:



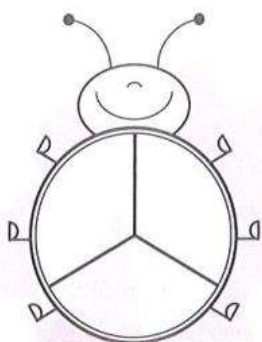
$$\frac{1}{2}$$



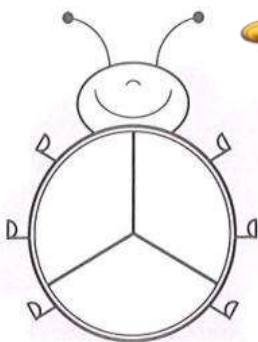
$$\frac{2}{3}$$



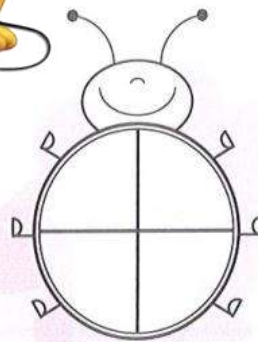
$$\frac{3}{4}$$



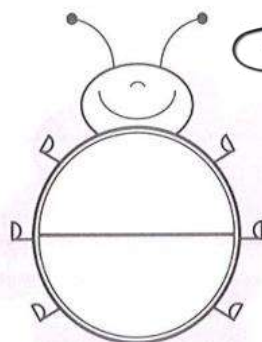
$$\frac{3}{3}$$



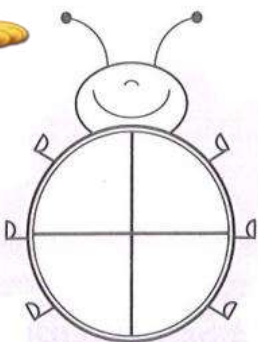
$$\frac{1}{3}$$



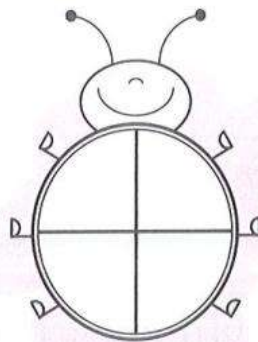
$$\frac{4}{4}$$



Whole one

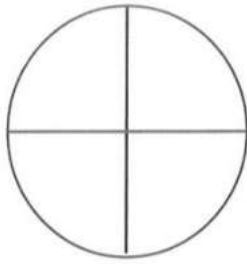
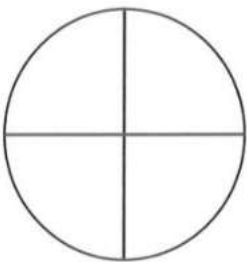
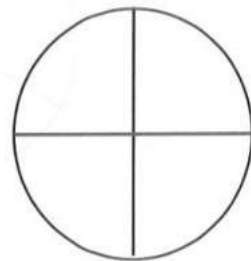
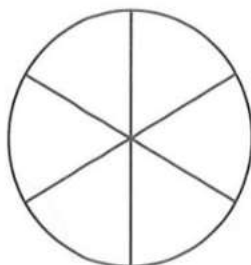
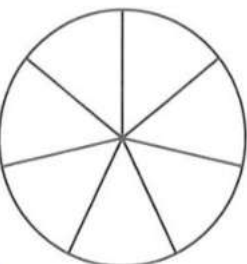
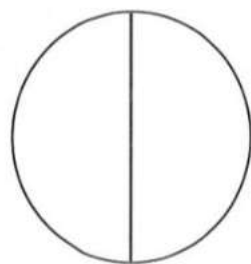


$$\frac{2}{4}$$



$$\frac{1}{4}$$

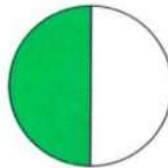


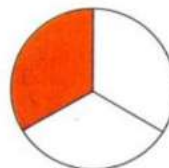
**Homework****Color according to the given fraction:****Color** $\frac{1}{4}$ **Color** $\frac{2}{5}$ **Color** $\frac{1}{3}$ **Color** $\frac{1}{5}$ **Color** $\frac{2}{4}$ **Color** $\frac{3}{4}$ **Color** $\frac{2}{3}$ **Color** $\frac{5}{6}$ **Color** $\frac{3}{7}$ **Color** $\frac{1}{2}$ 

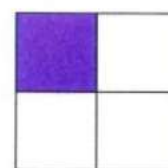


Write the suitable fraction according to the colored part.

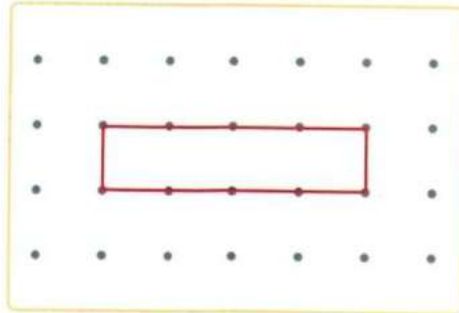




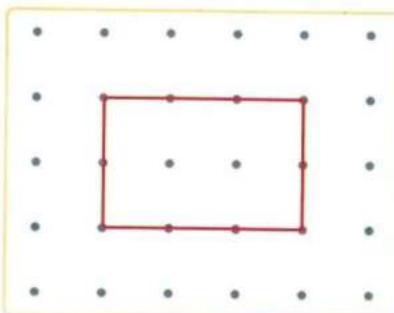




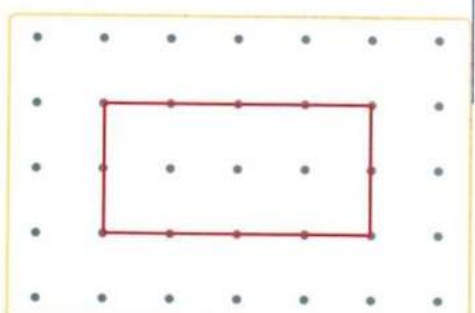
Draw a line or lines to show fractions.



Halves



Thirds



Fourths

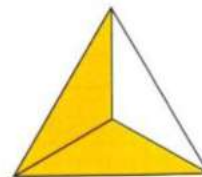
Ring the fraction which shows the colored part.

a.



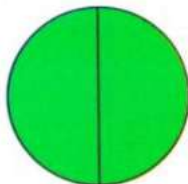
$\frac{1}{4}$	$\frac{2}{4}$	$\frac{2}{3}$
---------------	---------------	---------------

b.



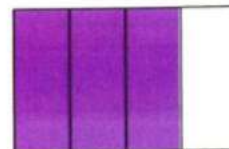
$\frac{2}{3}$	$\frac{1}{3}$	$\frac{3}{4}$
---------------	---------------	---------------

c.



$\frac{1}{2}$	$\frac{2}{3}$	$\frac{2}{2}$
---------------	---------------	---------------

d.

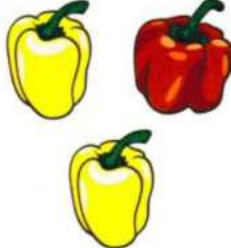


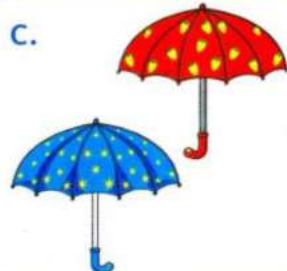
$\frac{1}{4}$	$\frac{3}{4}$	$\frac{1}{3}$
---------------	---------------	---------------

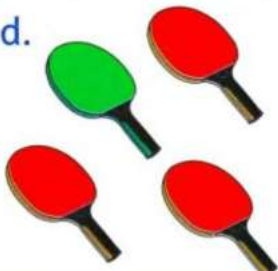


Write the fraction of the group that is **red**.

a.  $\frac{\quad}{\quad}$

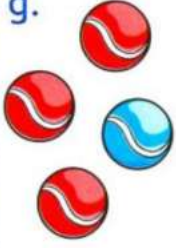
b.  $\frac{\quad}{\quad}$

c.  $\frac{\quad}{\quad}$

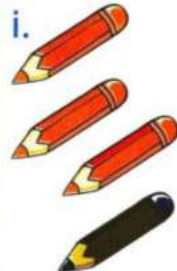
d.  $\frac{\quad}{\quad}$

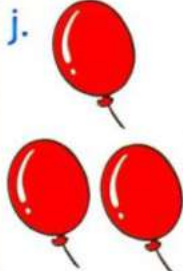
e.  $\frac{\quad}{\quad}$

f.  $\frac{\quad}{\quad}$

g.  $\frac{\quad}{\quad}$

h.  $\frac{\quad}{\quad}$

i.  $\frac{\quad}{\quad}$

j.  $\frac{\quad}{\quad}$

What fraction of each group is colored ? Match.

a. 

b. 

c. 

d. 

e. 

$$\frac{1}{3}$$

$$\frac{1}{4}$$

$$\frac{2}{3}$$

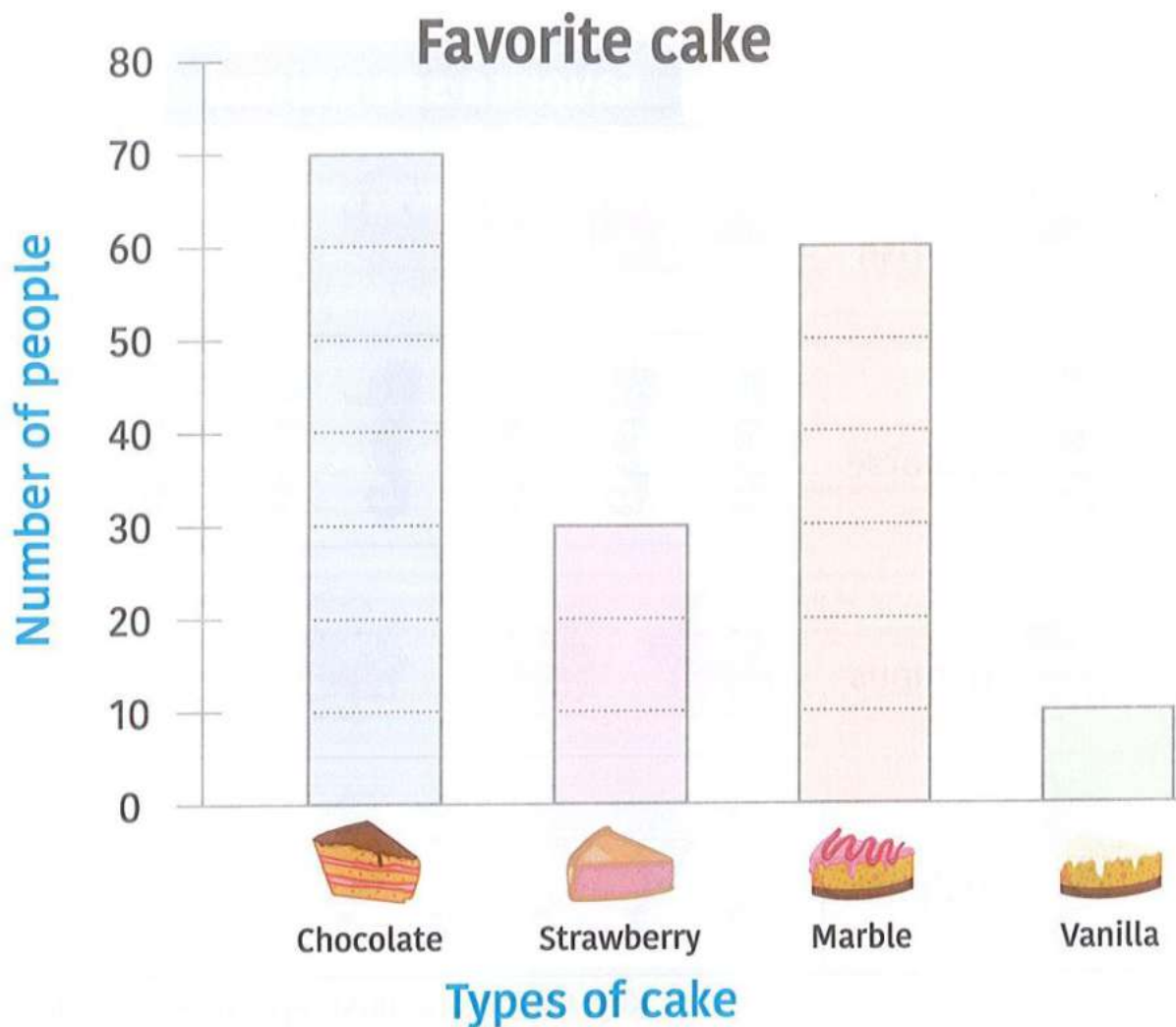
$$\frac{1}{2}$$

$$\frac{3}{4}$$



Sheet (11) Bar graphs

Look at the graph then answer the questions:

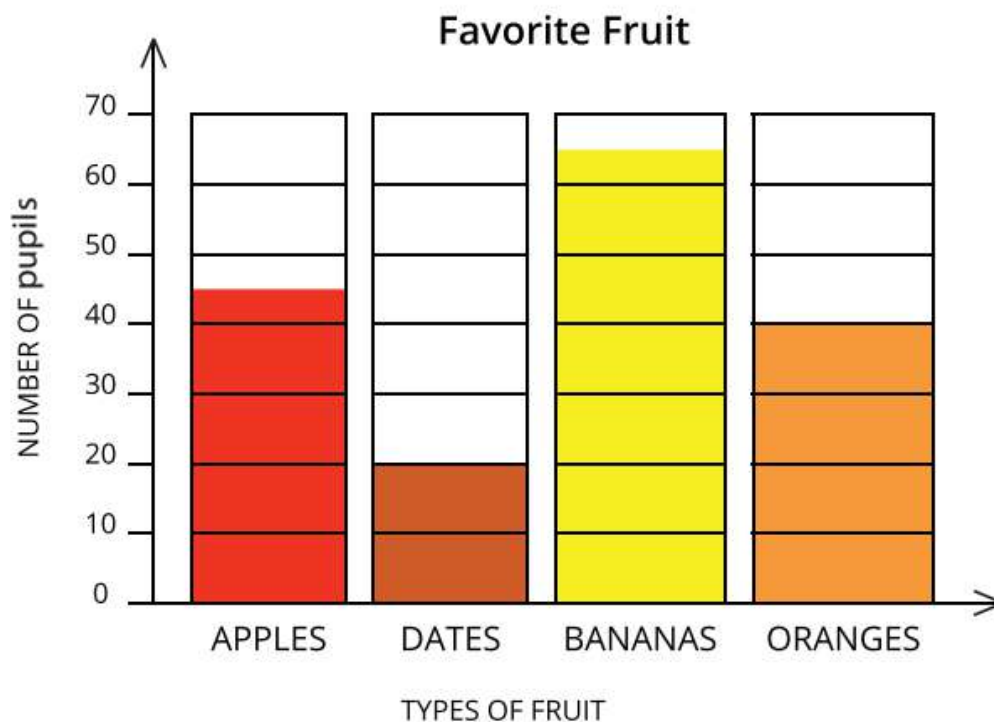


- 1- How many people liked  ?
- 2- How many more people liked  than  ?
- 3- How many people liked  and  ?
- 4- How many more people liked  than  ?
- 5- What is the least favorite cake?
- 6- What is the most favorite cake?





Look at the bar graph then answer the questions:



Questions:

1. How many people like oranges? _____
2. How many people like apples and bananas? _____
3. How many more people like bananas than dates? _____
4. What is the least popular fruit on this graph? _____





Look at the pictograph then answer the questions:

Favorite Pizza Toppings

Green Peppers							
Cheese							
Olives							
Mushrooms							

KEY



= 2 people

Questions:

1. How many people liked cheese and green peppers? _____
2. How many fewer people liked mushrooms than olives? _____
3. How many people liked cheese, green peppers, and olives? _____
4. How many more people liked cheese than green peppers? _____
5. What is the most kind pizza topping on this graph? _____

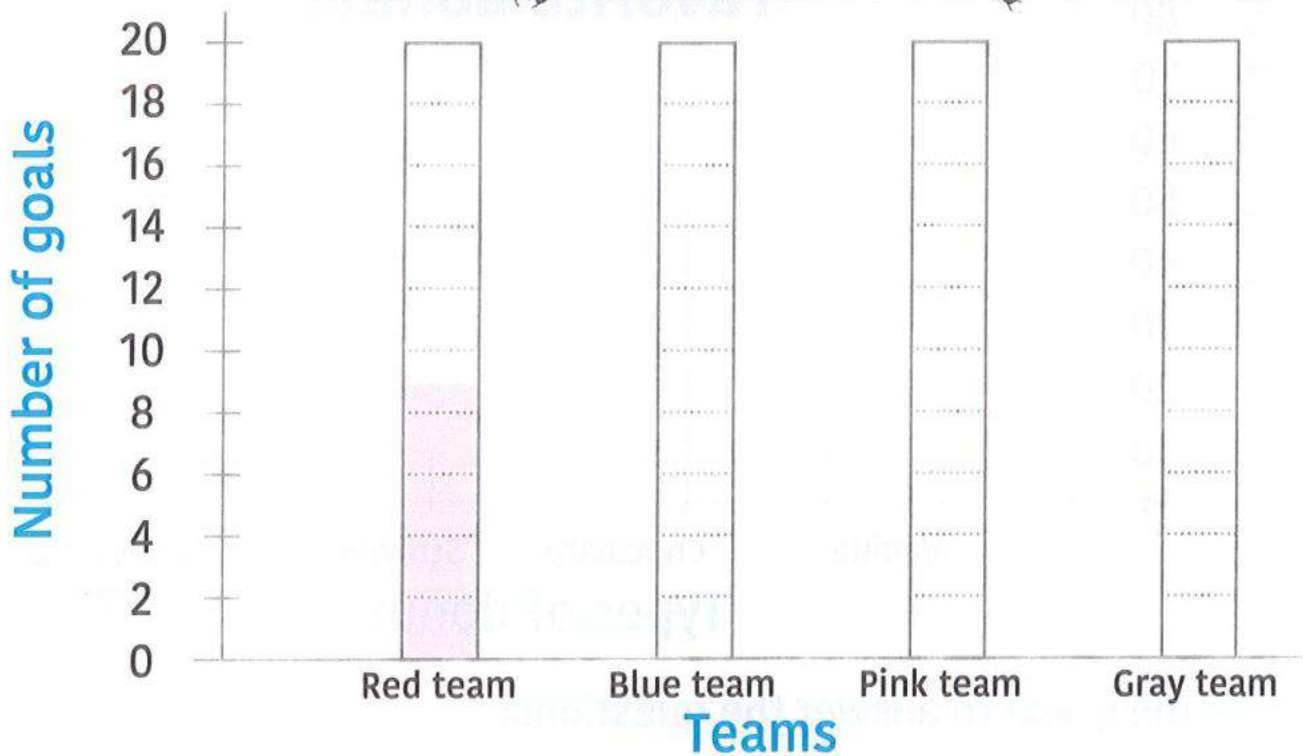




Look at the pictograph, color the bar graph, and then answer the questions:

Red team	    
Blue team	  
Pink team	   
Gray team	     

Key: each  represents 2 goals / each  represents 1 goal



- Which team has the most soccer goals?
- How many goals did the pink team and blue team score?
- How many goals did the gray team score than the blue team?
- Which team has the least number of soccer goals?





Homework

Trace and color to form a bar graph then answer the questions:



Blue fairy

8 students



Orange fairy

10 students



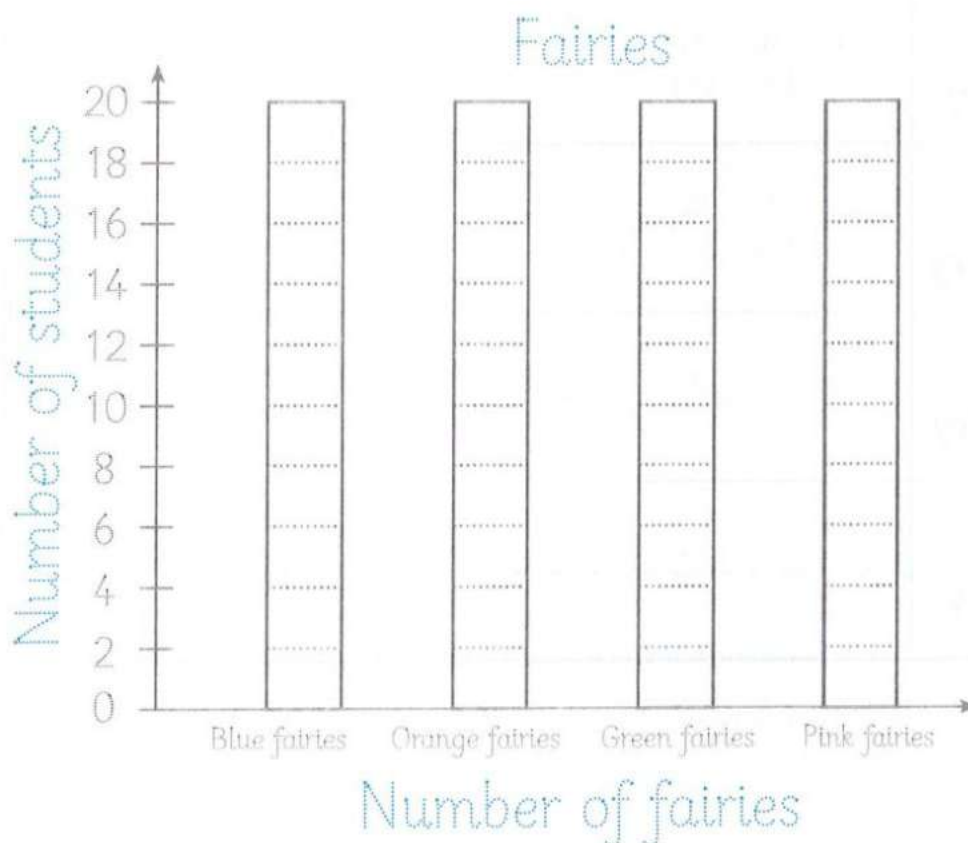
Green fairy

15 students



Pink fairy

20 students



Remember

To form a bar graph, we need:

- Write a title.
- Make a scale of (1 or 2 or 5 or 10).
- Label each axis.
- Color each bar with a different color.

I can represent these data also on a pictograph:

- How many students draw an orange fairy?
- How many students draw a green fairy?
- How many students draw a blue fairy?
- How many students draw a pink fairy?





• Write title

• Label the axes

• Make a scale

• Graph the data



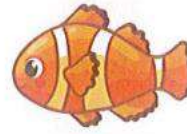
Cat

20 friends



Dog

40 friends



Fish

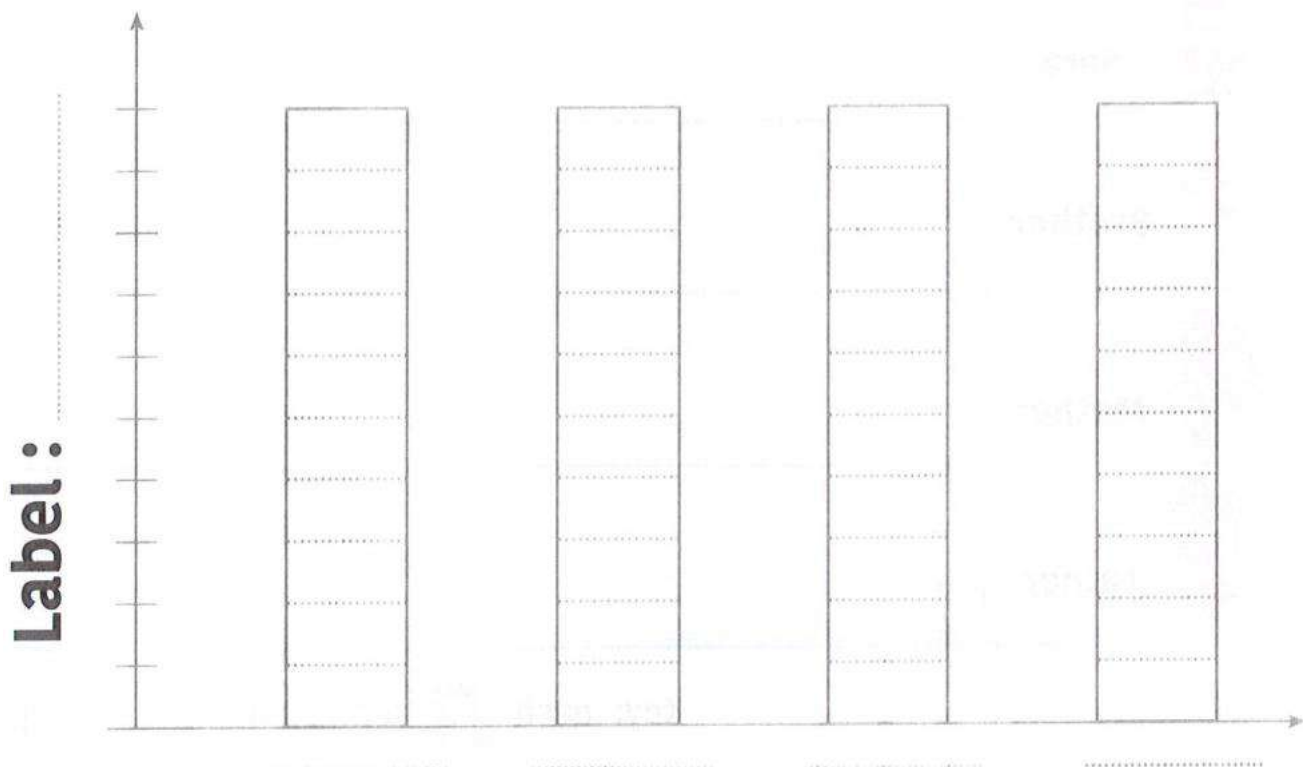
10 friends



Hamster

50 friends

Title : _____



Label : _____

• Which pet was the most favorite?

• Which pet was the least favorite?

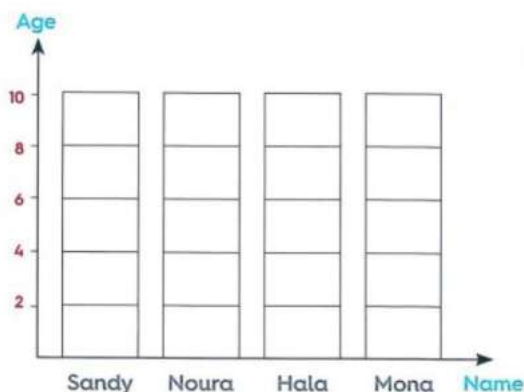
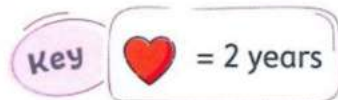




Represent the data in the following table by a bar graph and a pictograph.

Ages of the pupils	
Name	Age
Sandy	7
Noura	5
Hala	4
Mona	6

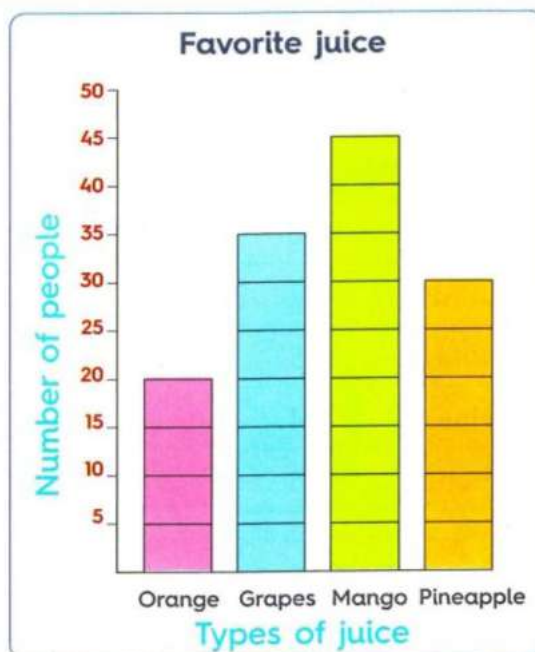
Ages of the pupils	
Sandy	
Noura	
Hala	
Mona	



Use the bar graph to complete the table, then answer the following questions.

Types of juice	Orange	Grapes	Mango	Pineapple
Number of people	_____	_____	_____	_____

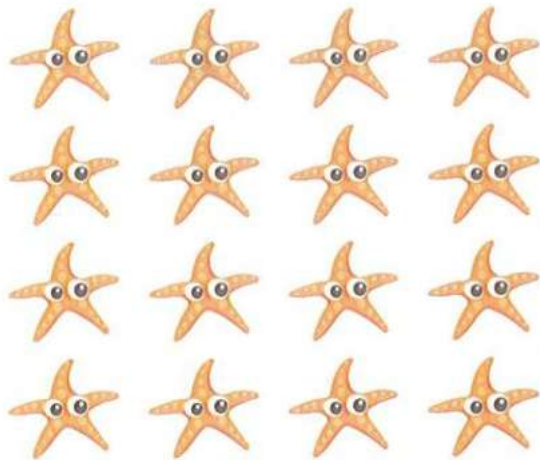
- How many people liked grapes best ? _____
- Which juice is liked the most ? _____
- Which juice is liked the least ? _____
- How many people in all liked orange and pineapple ? _____
- How many more people liked mango than grapes ? _____





Sheet (12) Arrays

Complete then circle the correct answer as the example:

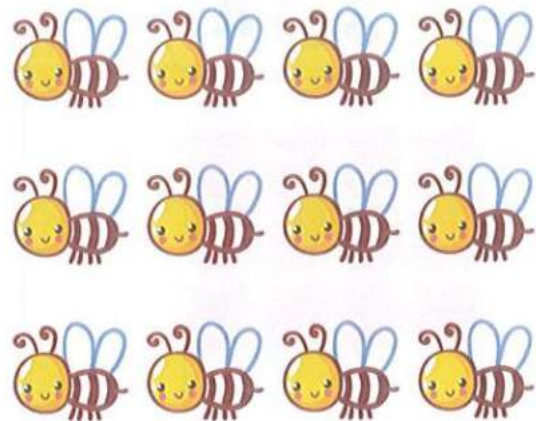


Array is 4 by 4

a. $5 + 4 = 9$

b. $5 + 5 + 5 + 5 = 20$

c. $4 + 4 + 4 + 4 = 16$

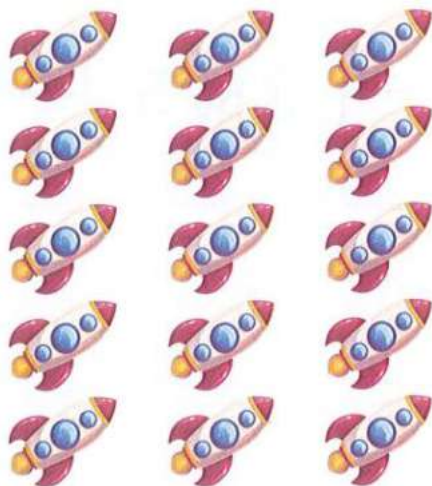


Array is by

a. $4 + 4 + 4 = 12$

b. $3 + 3 + 3 = 9$

c. $4 + 3 = 7$



Array is by

a. $3 + 3 + 3 + 3 = 12$

b. $5 + 3 = 8$

c. $3 + 3 + 3 + 3 + 3 = 15$



Array is by

a. $5 + 2 = 7$

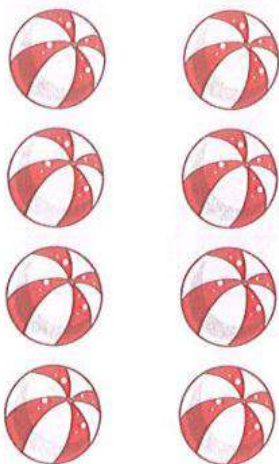
b. $5 + 5 = 10$

c. $2 + 5 = 7$





Complete:



4

by

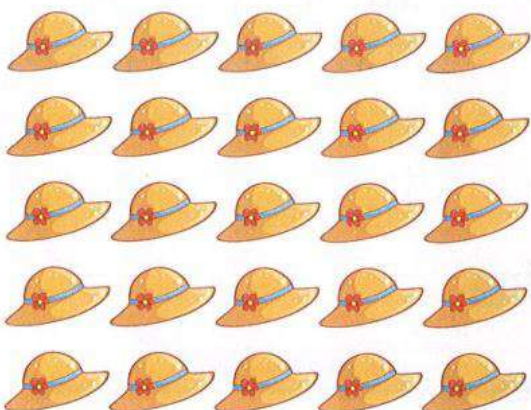
.....



by

3

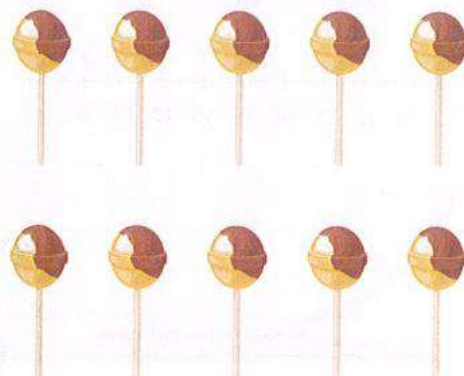
.....



by

5

.....



2

by

.....



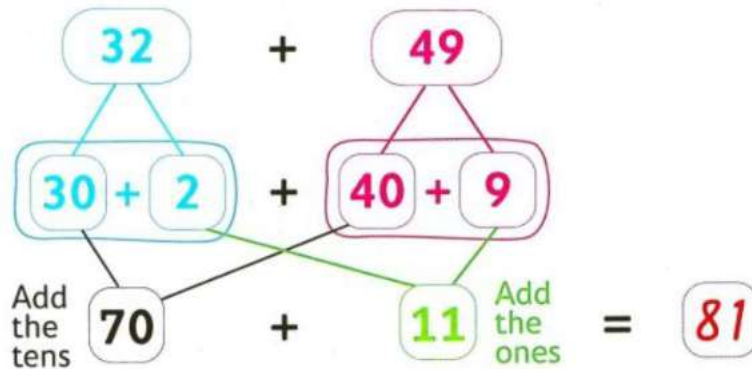


Mental Maths

First

Add 32 + 49

Decompose the addends and put them back together.



Think

Add the tens

$$30 + 40 = 70$$

Add the ones

$$2 + 9 = 11$$

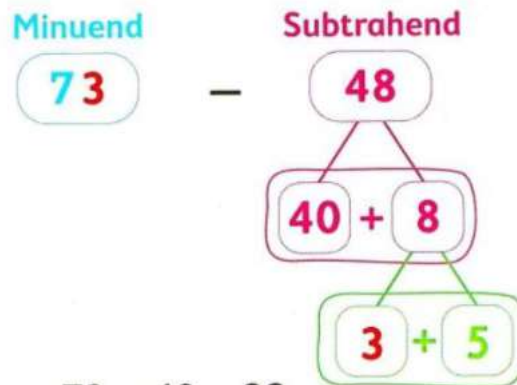
How many in all ?

$$70 + 11 = 81$$

Second

Subtract 73 - 48

Decompose the subtrahend according to the ones in the minuend.



Think

Since 73 has 3 in its ones place,

$$48 = 40 + 8$$

then 8 ones can be break apart as

$$8 = 3 + 5$$

First : Subtract 4 tens : $73 - 40 = 33$

Second : Subtract 3 ones : $33 - 3 = 30$

Third : Subtract 5 ones : $30 - 5 = 25$

So, $73 - 48 = 25$



Story problems:

- a. Bassem collects sports cards.

He has 35 football cards and 21 basketball cards.

How many cards does he have in all ?



Mai and Mary collect toy cars.

Mai has 72 cars in her collection and Mary has 34 cars.

How many more toy cars does Mai have than Mary ?



A grocer had 51 cans of soft drinks.

He sold 34 of them.

How many cans are left ?



46 hot dog sandwiches were sold.

54 burger sandwiches were sold.

How many sandwiches were sold altogether ?

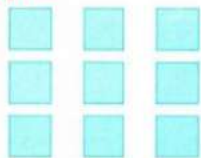




Homework

Solve the array and write the addition equation as the example.

Example



Rows Columns

3 by 3

Number of squares =
 $3 + 3 + 3 = 9$

a.



Rows Columns

___ by ___

Number of circles =

b.

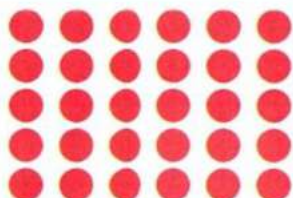


Rows Columns

___ by ___

Number of triangles =

c.

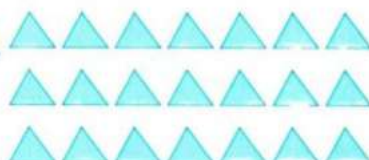


Rows Columns

___ by ___

Number of circles =

d.

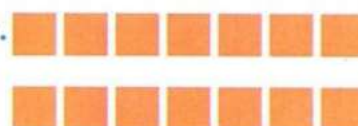


Rows Columns

___ by ___

Number of triangles =

e.

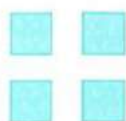


Rows Columns

___ by ___

Number of squares =

f.

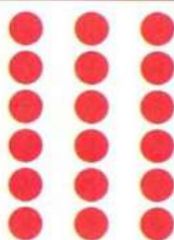


Rows Columns

___ by ___

Number of squares =

g.

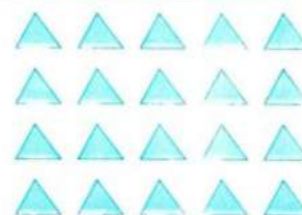


Rows Columns

___ by ___

Number of circles =

h.



Rows Columns

___ by ___

Number of triangles =



Youssef used 266 blocks to build his tower and
Maged used 350 blocks to build another tower.

What is the total number of blocks ?



Ahmed had 437 marbles.
He gave his brother 150 marbles.

How many marbles were left with Ahmed ?



Last month, the market sold 342 cartons of milk.

This month, they sold 479 cartons of milk.

Find the sum of cartons of milk in the two months.



There are 125 boys and 175 girls in a club.

How many boys and girls are there in all ?

